

ANSI Color Code Reference & CI/CD Checklist

The full SGR color table, the TTY-detection pattern, and a pre-release checklist for non-terminal log consumers.

1. Foreground Color Codes

Code	Color	Code	Bright Variant
\u001B[30m	Black	\u001B[90m	Bright Black (Gray)
\u001B[31m	Red	\u001B[91m	Bright Red
\u001B[32m	Green	\u001B[92m	Bright Green
\u001B[33m	Yellow	\u001B[93m	Bright Yellow
\u001B[34m	Blue	\u001B[94m	Bright Blue
\u001B[35m	Purple	\u001B[95m	Bright Purple
\u001B[36m	Cyan	\u001B[96m	Bright Cyan
\u001B[37m	White	\u001B[97m	Bright White

2. Common Modifiers & QA Use Cases

Code	Effect	QA/DevOps Use
\u001B[0m	Reset all formatting	Required after every colored segment
\u001B[1m	Bold	Section headers, build stage names
\u001B[41m	Red background	Critical failures needing to stand out
\u001B[4m	Underline	Linking test IDs in console output

3. TTY-Safe Pattern (Java)

```
boolean supportsColor = System.console() != null
    && System.getenv("TERM") != null;

String msg = "Stage complete: " + stageName;
System.out.println(supportsColor
    ? AnsiColor.GREEN.wrap(msg) : msg);
```

4. Pre-Release Checklist

■ Every colored wrap includes a trailing \u001B[0m reset — search the codebase for color codes without a nearby reset.

■ Confirm whether this tool's output could ever be piped to a file, log aggregator, or non-interactive CI step.

■ Add a TTY/console check before applying color — don't assume every consumer renders ANSI.

■ For Windows targets, confirm Jansi or native VT100 processing is enabled, not assumed.

■ For audit or compliance logs, default to plain text — never rely on the archive viewer to strip codes correctly.

■ Prefer built-in Log4j/Logback colored console appenders over hand-rolled wrapping for standard log levels.

Source: ANSI color codes are standardized under ECMA-48 (also ISO/IEC 6429), maintained by Ecma International — not a de facto convention.