

Converting Colors

`RYB(25, 134, 153)`

Have a look what the booklet for
RYB(25, 134, 153) contains.

RYB(25, 134, 153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(25, 134, 153)

Conversions

Conversions Part 1

Format	Color
Hex	19992F
RGB	25, 153, 47
RGB Percent	10%, 60%, 18%
CMY	0.9020, 0.4000, 0.8145
CMYK	0.84, 0.00, 0.69, 0.40
HSL	130°, 72%, 35%
HSV	130°, 84%, 60%
XYZ	12.3115, 23.1969, 6.5510
YIQ	102.6440, -42.2620, -60.1020

Conversions

Conversions Part 2

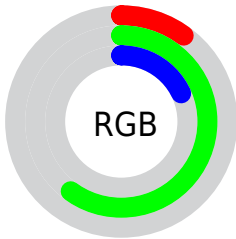
Format	Color
R_{YB}	25, 134, 153
Decimal	1677615
CIE _{Lab}	55.27, -54.23, 44.52
CIE _{LCh}	55, 70.165, 140.619
Yxy	23.1969, 0.2927, 0.5515
Android (android.graphics.Color)	4279867695 (0xFF19992F)
YUV	102.6440, -27.4325, -68.0938
Hunter-Lab	48.1632, -38.6571, 25.6498

Details

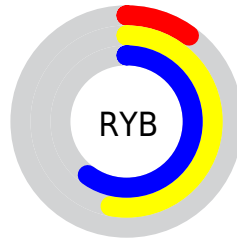
The RYB color **25, 134, 153** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **153, 25, 131**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **95, 206, 209**, and **0, 100, 100** is the 20% darker color. If you saturate the color by 10%, you get **10, 132, 153**, and if you desaturate by 10%, it is **40, 136, 153**.

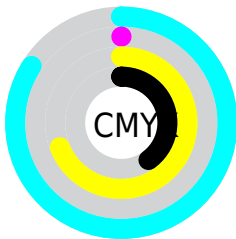
Distribution



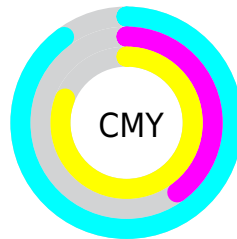
- Red (10%)
- Green (60%)
- Blue (18%)



- Red (10%)
- Yellow (53%)
- Blue (60%)



- Cyan (84%)
- Magenta (0%)
- Yellow (69%)
- Black (40%)



- Cyan (90%)
- Magenta (40%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the RYB color 25, 134, 153 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 25, 134, 153 by changing the saturation by 10% instead.



25, 134, 153



25, 134, 153

255, 255, 255



0, 109, 126



95, 205, 209



0, 100, 100



125, 237, 237



0, 75, 75



152, 255, 253



0, 52, 52



179, 255, 251



0, 27, 27



207, 255, 249



0, 0, 0



236, 255, 248



25, 134, 153



25, 134, 153



10, 132, 153



40, 136, 153

■ 0, 130, 153

■ 56, 139, 153

■ 71, 141, 153

■ 86, 143, 153

■ 102, 146, 153

■ 117, 148, 153

■ 132, 150, 153

■ 147, 152, 153

■ 163, 153, 161

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 142, 22



25, 134, 153



0, 93, 158

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25, 134, 153



0, 92, 253



238, 68, 94

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25, 134, 153



153, 25, 131

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



230, 67, 154



25, 134, 153



84, 117, 247

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25, 134, 153



0, 92, 226



186, 95, 210



217, 126, 36

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25, 134, 153



0, 82, 160



186, 95, 210



239, 63, 113

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25, 134, 153



149, 191, 199



25, 153, 46



70, 95, 99



227, 227, 227



99, 99, 99

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25, 134, 153



0, 169, 199



25, 102, 153



69, 76, 77



0, 120, 140



0, 11, 13

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



153, 25, 131



199, 0, 164



153, 25, 68



77, 69, 75



140, 0, 116



13, 0, 11

Previews

White Background



This preview shows how the RYB color 25, 134, 153 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 25, 134, 153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

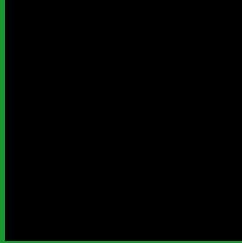
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 25, 134, 153 Background



This preview shows how black text looks on a background with the RYB color 25, 134, 153.



This preview shows how white text looks on a background with the RYB color 25, 134, 153.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
25, 134, 153

Protanopia
60, 147, 42

Deuteranopia
116, 163, 57



Tritanopia
66, 107, 155

Trichromacy



Original Color

25, 134, 153



Protanomaly

44, 140, 81



Deuteranomaly

53, 135, 75



Tritanomaly

51, 108, 147

Monochromacy



Original Color

25, 134, 153



Achromatopsia

103, 103, 103



Achromatomaly

75, 114, 121

CSS Examples

Text

The CSS property to change the color of the text to RYB 25, 134, 153 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(25, 153, 47)` looks like.

```
.text, #text, p{  
    color:rgb(25, 153, 47)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(25, 153, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 153, 47) }
```

Border

The CSS property to change the border of an element to RYB 25, 134, 153 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(25, 153, 47) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(25, 153, 47) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(25, 153, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 153, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 153, 47);  
box-shadow:4px 4px 4px 4px rgb(25, 153,  
47) }
```

Background

The CSS property to change the background color of an element to RGB 25, 134, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 153, 47) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(25, 153,  
47) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor