

Converting Colors

`RYB(25, 104, 150)`

Have a look what the booklet for
RYB(25, 104, 150) contains.

RYB(25, 104, 150)	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, 104, 150)`

Conversions

Conversions Part 1

Format	Color
Hex	199662
RGB	25, 150, 98
RGB Percent	10%, 59%, 38%
CMY	0.9020, 0.4118, 0.6165
CMYK	0.83, 0.00, 0.35, 0.41
HSL	155°, 71%, 34%
HSV	155°, 83%, 59%
XYZ	13.5017, 22.8971, 15.2101
YIQ	106.6970, -57.8080, -42.6720

Conversions

Conversions Part 2

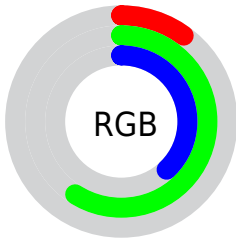
Format	Color
RYB	25, 104, 150
Decimal	1676898
CIELab	54.97, -45.00, 18.58
CIELCh	55, 48.687, 157.563
Yxy	22.8971, 0.2616, 0.4437
Android (android.graphics.Color)	4279866978 (0xFF199662)
YUV	106.6970, -4.2876, -71.6483
Hunter-Lab	47.8510, -33.3733, 14.6496

Details

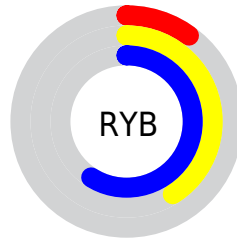
The RYB color **25, 104, 150** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **150, 25, 77**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **93, 168, 205**, and **0, 64, 98** is the 20% darker color. If you saturate the color by 10%, you get **10, 98, 150**, and if you desaturate by 10%, it is **40, 110, 150**.

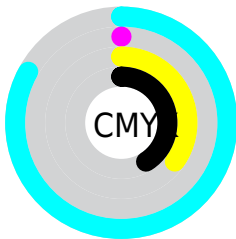
Distribution



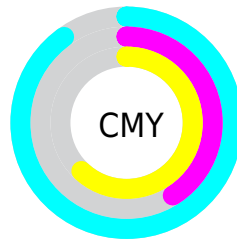
- Red (10%)
- Green (59%)
- Blue (38%)



- Red (10%)
- Yellow (41%)
- Blue (59%)



- Cyan (83%)
- Magenta (0%)
- Yellow (35%)
- Black (41%)





- Cyan (90%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 25, 104, 150 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, 104, 150 by changing the saturation by 10% instead.

 25, 104, 150

 25, 104, 150


255, 255, 255

 0, 78, 124

 93, 168, 205

 0, 64, 98

 122, 198, 234

 0, 52, 73

 151, 220, 255

 0, 44, 49

 180, 225, 255

 0, 26, 26

 209, 232, 255


 0, 0, 0

 239, 247, 255

 25, 104, 150

 25, 104, 150

 10, 98, 150

 40, 110, 150

■ 0, 95, 150

■ 55, 115, 150

■ 70, 120, 150

■ 85, 126, 150

■ 100, 132, 150

■ 115, 137, 150

■ 130, 143, 150

■ 145, 148, 150

■ 160, 150, 154

Harmonies

Analogous

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



61, 144, 105



25, 104, 150



0, 79, 152

Triad

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



25, 104, 150



70, 114, 215



204, 106, 82

Complementary

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



25, 104, 150



150, 25, 77

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.



209, 94, 123



25, 104, 150



148, 116, 199

Square

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



25, 104, 150



0, 86, 209



191, 100, 165



172, 180, 52

Rectangle

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



25, 104, 150



0, 80, 169



191, 100, 165



208, 98, 95

Sweetspot

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



25, 104, 150



145, 176, 194



25, 150, 96



68, 86, 97



224, 224, 224



97, 97, 97

Same Dimension

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



25, 104, 150



0, 123, 194



25, 85, 150



67, 71, 74



0, 87, 138



0, 6, 10

Inverse Universe

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



150, 25, 77



194, 0, 81



150, 34, 25



74, 67, 70



138, 0, 58



10, 0, 4

Previews

White Background



This preview shows how the RYB color 25, 104, 150 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, 104, 150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

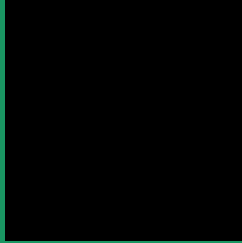
Any Text WCAG AA ✓ Pass

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](#).

RGB 25, 104, 150 Background



This preview shows how black text looks on a background with the RGB color 25, 104, 150.



This preview shows how white text looks on a background with the RGB color 25, 104, 150.

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, 104, 150

Protanopia
102, 141, 90

Deuteranopia
153, 142, 103



Tritanopia
57, 103, 155

Trichromacy



Original Color

25, 104, 150



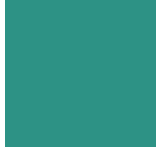
Protanomaly

93, 138, 132



Deuteranomaly

101, 134, 129



Tritanomaly

45, 99, 146

Monochromacy



Original Color

25, 104, 150



Achromatopsia

107, 107, 107



Achromatomaly

77, 106, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 25, 104, 150 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, 150, 98)` looks like.

```
.text, #text, p{  
    color:rgb(25, 150, 98)  
}
```

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, 150, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 150, 98) }
```

Border

The CSS property to change the border of an element to RYB 25, 104, 150 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, 150, 98) }
```

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

```
.border{ border-color:rgb(25, 150, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 150, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 150, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 150, 98);  
box-shadow:4px 4px 4px 4px rgb(25, 150,  
98) }
```

Background

The CSS property to change the background color of an element to RGB 25, 150, 98 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 150, 98) }
```

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

```
.background{ background-color: rgb(25, 150,  
98) }
```

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