

Converting Colors

`RYB(50, 125, 198)`

Have a look what the booklet for
RYB(50, 125, 198) contains.

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Color

R_YB(50, 125, 198)

Conversions

Conversions Part 1

Format	Color
Hex	32C6C2
RGB	50, 198, 194
RGB Percent	20%, 78%, 76%
CMY	0.8039, 0.2235, 0.2390
CMYK	0.75, 0.00, 0.02, 0.22
HSL	178°, 60%, 49%
HSV	178°, 75%, 78%
XYZ	31.2531, 44.9637, 58.1020
YIQ	153.2920, -86.9240, -32.6200

Conversions

Conversions Part 2

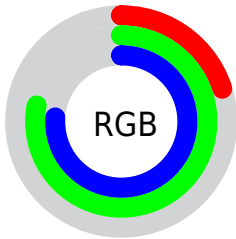
Format	Color
R _{YB}	50, 125, 198
Decimal	3327682
CIE Lab	72.87, -37.94, -9.00
CIE LCh	73, 38.997, 193.344
Yxy	44.9637, 0.2327, 0.3348
Android (android.graphics.Color)	4281517762 (0xFF32C6C2)
YUV	153.2920, 20.0690, -90.5871
Hunter-Lab	67.0550, -34.1507, -4.4353

Details

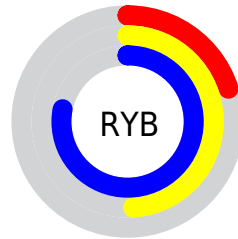
The RYB color **50, 125, 198** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **198, 50, 54**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **121, 189, 255**, and **0, 72, 143** is the 20% darker color. If you saturate the color by 10%, you get **30, 115, 198**, and if you desaturate by 10%, it is **70, 135, 198**.

Distribution



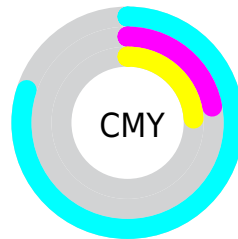
- Red (20%)
- Green (78%)
- Blue (76%)



- Red (20%)
- Yellow (49%)
- Blue (78%)



- Cyan (75%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)




- Cyan (80%)
- Magenta (22%)
- Yellow (24%)


Brightness & Saturation Gradients

These gradients show how the RYB color 50, 125, 198 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 50, 125, 198 by changing the saturation by 10% instead.

 50, 125, 198

255, 255, 255


 121, 189, 255

 152, 204, 255

 182, 219, 255

 213, 234, 255

 244, 250, 255

 50, 125, 198

 0, 86, 170

 0, 72, 143

 0, 59, 117


 0, 46, 92


 0, 34, 68

 0, 23, 45

 0, 11, 25

 0, 0, 0

 50, 125, 198

 50, 125, 198

■ 30, 115, 198

■ 70, 135, 198

■ 10, 105, 198

■ 90, 145, 198

■ 0, 100, 198

■ 109, 154, 198

■ 129, 164, 198

■ 149, 174, 198

■ 169, 184, 198

■ 189, 194, 198

■ 208, 198, 198

■ 228, 198, 199

Harmonies

Analogous

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



102, 162, 197



50, 125, 198



30, 120, 227

Triad

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



50, 125, 198



203, 164, 231



203, 220, 111

Complementary

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



50, 125, 198



198, 50, 54

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.



242, 167, 131



50, 125, 198



236, 154, 200

Square

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



50, 125, 198



153, 172, 248



249, 151, 164



113, 187, 108

Rectangle

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



50, 125, 198



70, 141, 242



249, 151, 164



229, 206, 116

Sweetspot

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



50, 125, 198



199, 227, 255



50, 198, 193



94, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 125, 198



25, 142, 255



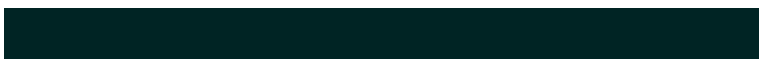
50, 102, 198



90, 95, 99



0, 83, 163



0, 18, 36

Inverse Universe

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



198, 50, 54



255, 25, 32



198, 179, 50



99, 90, 90



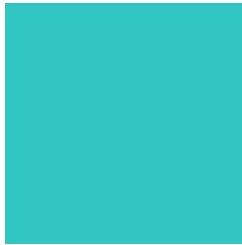
163, 0, 4



36, 0, 1

Previews

White Background



This preview shows how the RYB color 50, 125, 198 looks on a white background.

Color Contrast Check

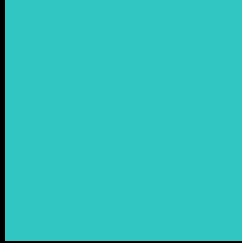
Large Text (above 18pt) WCAG AA × Fail

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 50, 125, 198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

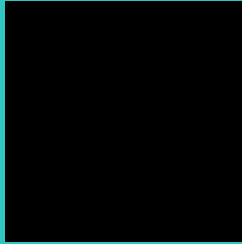
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

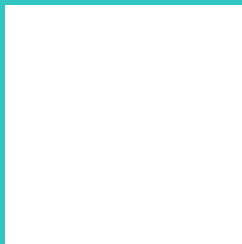
Any Text WCAG AAA ✓ Pass

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

RYB 50, 125, 198 Background



This preview shows how black text looks on a background with the RYB color 50, 125, 198.

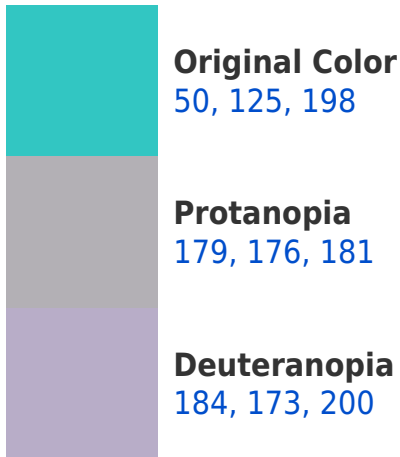


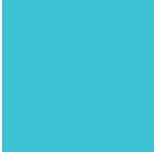
This preview shows how white text looks on a background with the RYB color 50, 125, 198.

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





Tritanopia
62, 132, 211

Trichromacy



Original Color

50, 125, 198



Protanomaly

132, 158, 186



Deuteranomaly

135, 162, 198



Tritanomaly

58, 129, 205

Monochromacy



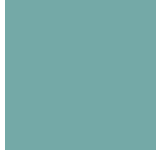
Original Color

50, 125, 198



Achromatopsia

153, 153, 153



Achromatomaly

116, 143, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 125, 198 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(50, 198, 194)` looks like.

```
.text, #text, p{  
    color:rgb(50, 198, 194)  
}
```

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(50, 198, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 198, 194) }
```

Border

The CSS property to change the border of an element to RYB 50, 125, 198 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(50, 198, 194) }
```

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

```
.border{ border-color:rgb(50, 198, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 198, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 198, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 198, 194);  
box-shadow:4px 4px 4px 4px rgb(50, 198,  
194) }
```

Background

The CSS property to change the background color of an element to RGB 50, 125, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 198, 194) }
```

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

```
.background{ background-color: rgb(50, 198,  
194) }
```

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](#).

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