

Converting Colors

`RYB(45, 125, 194)`

Have a look what the booklet for
RYB(45, 125, 194) contains.

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Color

RYB(45, 125, 194)

Conversions

Conversions Part 1

Format	Color
Hex	2DC2AE
RGB	45, 194, 174
RGB Percent	18%, 76%, 68%
CMY	0.8235, 0.2392, 0.3196
CMYK	0.77, 0.00, 0.11, 0.24
HSL	172°, 62%, 47%
HSV	172°, 77%, 76%
XYZ	27.9665, 42.1785, 46.4629
YIQ	147.1690, -82.3840, -37.8080

Conversions

Conversions Part 2

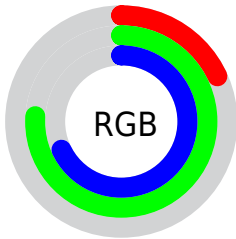
Format	Color
RYB	45, 125, 194
Decimal	2998958
CIELab	70.99, -42.41, -0.58
CIELCh	71, 42.417, 180.788
Yxy	42.1785, 0.2398, 0.3617
Android (android.graphics.Color)	4281189038 (0xFF2DC2AE)
YUV	147.1690, 13.2277, -89.6022
Hunter-Lab	64.9450, -36.7883, 3.0442

Details

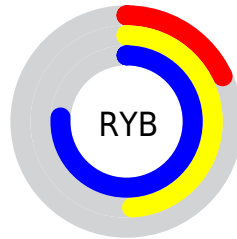
The RYB color **45, 125, 194** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **194, 45, 65**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **116, 189, 251**, and **0, 74, 139** is the 20% darker color. If you saturate the color by 10%, you get **26, 116, 194**, and if you desaturate by 10%, it is **64, 134, 194**.

Distribution



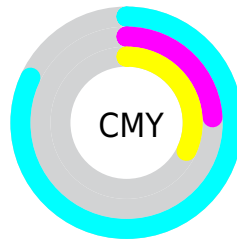
- Red (18%)
- Green (76%)
- Blue (68%)



- Red (18%)
- Yellow (49%)
- Blue (76%)



- Cyan (77%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)



















- Cyan (82%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 125, 194 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 45, 125, 194 by changing the saturation by 10% instead.

 45, 125, 194	 45, 125, 194
 255, 255, 255	 0, 88, 166
 116, 189, 251	 0, 74, 139
 146, 201, 255	 0, 61, 113
 177, 216, 255	 0, 48, 88
 207, 231, 255	 0, 36, 64
 237, 246, 255	 0, 25, 42
	 0, 4, 7
	 0, 0, 0

 45, 125, 194	 45, 125, 194
--	--

■ 26, 116, 194

■ 64, 134, 194

■ 6, 107, 194

■ 84, 143, 194

■ 0, 104, 194

■ 103, 152, 194

■ 123, 161, 194

■ 142, 170, 194

■ 161, 179, 194

■ 181, 188, 194

■ 200, 194, 195

■ 220, 194, 198

Harmonies

Analogous

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



110, 172, 191



45, 125, 194



0, 101, 212

Triad

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



45, 125, 194



179, 163, 240



229, 195, 107

Complementary

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



45, 125, 194



194, 45, 65

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.



246, 148, 136



45, 125, 194



223, 150, 212

Square

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



45, 125, 194



116, 158, 251



245, 143, 174



128, 197, 95

Rectangle

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



45, 125, 194



0, 105, 233



245, 143, 174



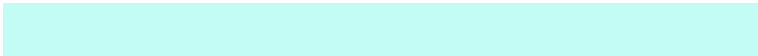
236, 173, 115

Sweetspot

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



45, 125, 194



194, 225, 252



45, 194, 172



92, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



45, 125, 194



20, 144, 252



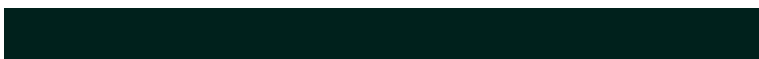
45, 104, 194



87, 92, 97



0, 86, 161



0, 18, 33

Inverse Universe

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



194, 45, 65



252, 20, 52



194, 125, 45



97, 87, 89



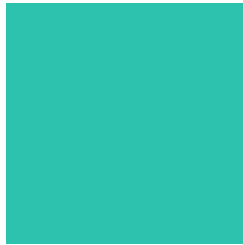
161, 0, 22



33, 0, 5

Previews

White Background



This preview shows how the RYB color 45, 125, 194 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 45, 125, 194 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

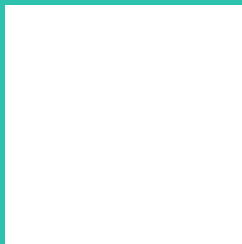
Any Text WCAG AAA ✓ Pass

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

RYB 45, 125, 194 Background



This preview shows how black text looks on a background with the RYB color 45, 125, 194.

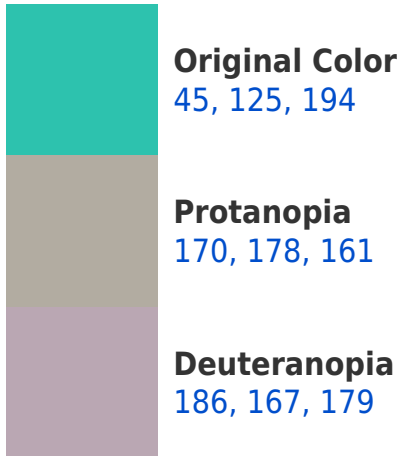


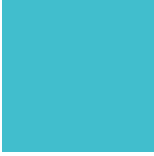
This preview shows how white text looks on a background with the RYB color 45, 125, 194.

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
65, 131, 205

Trichromacy



Original Color

45, 125, 194



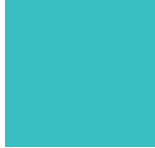
Protanomaly

130, 159, 180



Deuteranomaly

135, 156, 177



Tritanomaly

58, 125, 194

Monochromacy



Original Color

45, 125, 194



Achromatopsia

147, 147, 147



Achromatomaly

110, 139, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 125, 194 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(45, 194, 174)` looks like.

```
.text, #text, p{  
    color:rgb(45, 194, 174)  
}
```

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(45, 194, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 194, 174) }
```

Border

The CSS property to change the border of an element to RYB 45, 125, 194 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(45, 194, 174) }
```

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

```
.border{ border-color:rgb(45, 194, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 194, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 194, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 194, 174);  
box-shadow:4px 4px 4px 4px rgb(45, 194,  
174) }
```

Background

The CSS property to change the background color of an element to RYB 45, 125, 194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 194, 174) }
```

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

```
.background{ background-color: rgb(45, 194,  
174) }
```

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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