

Converting Colors

`RYB(50, 123, 215)`

Have a look what the booklet for
RYB(50, 123, 215) contains.

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Color

$\text{RYB}(50, 123, 215)$

Conversions

Conversions Part 1

Format	Color
Hex	32B5D7
RGB	50, 181, 215
RGB Percent	20%, 71%, 84%
CMY	0.8039, 0.2905, 0.1569
CMYK	0.77, 0.16, 0.00, 0.16
HSL	192°, 67%, 52%
HSV	192°, 77%, 84%
XYZ	30.0895, 38.6012, 70.1549
YIQ	145.7070, -88.9900, -17.1980

Conversions

Conversions Part 2

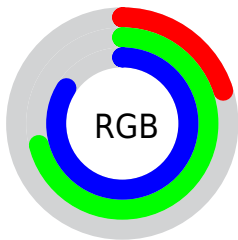
Format	Color
R _{YB}	50, 123, 215
Decimal	3323351
CIE _{Lab}	68.46, -23.29, -27.12
CIE _{LCh}	68, 35.745, 229.346
Yxy	38.6012, 0.2167, 0.2780
Android (android.graphics.Color)	4281513431 (0xFF32B5D7)
YUV	145.7070, 34.1614, -83.9350
Hunter-Lab	62.1299, -22.2796, -23.4573

Details

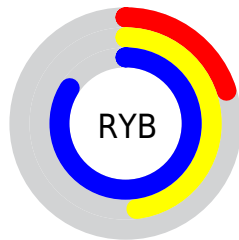
The RYB color **50, 123, 215** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **215, 93, 50**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **121, 183, 255**, and **0, 71, 160** is the 20% darker color. If you saturate the color by 10%, you get **28, 111, 215**, and if you desaturate by 10%, it is **71, 135, 215**.

Distribution



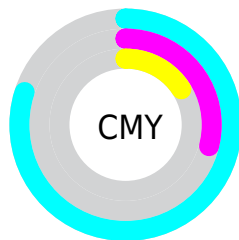
- Red (20%)
- Green (71%)
- Blue (84%)



- Red (20%)
- Yellow (48%)
- Blue (84%)



- Cyan (77%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)




















- Cyan (80%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 123, 215 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, 123, 215 by changing the saturation by 10% instead.

 50, 123, 215	 50, 123, 215
 255, 255, 255	 0, 84, 187
 121, 183, 255	 0, 71, 160
 152, 204, 255	 0, 58, 134
 183, 219, 255	 0, 45, 108
 214, 235, 255	 0, 33, 84
 244, 250, 255	 0, 22, 61
	 0, 3, 39
	 0, 1, 16
	 0, 0, 0

■ 50, 123, 215

■ 50, 123, 215

■ 28, 111, 215

■ 71, 135, 215

■ 7, 99, 215

■ 93, 147, 215

■ 0, 95, 215

■ 115, 159, 215

■ 136, 171, 215

■ 158, 183, 215

■ 179, 195, 215

■ 201, 207, 215

■ 222, 216, 215

■ 243, 223, 215

Harmonies

Analogous

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



48, 117, 187



50, 123, 215



101, 148, 230

Triad

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



50, 123, 215



223, 143, 180



105, 172, 110

Complementary

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



50, 123, 215



215, 93, 50

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.



166, 199, 103



50, 123, 215



230, 143, 147

Square

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



50, 123, 215



196, 151, 209



221, 164, 119



124, 179, 173

Rectangle

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



50, 123, 215



137, 160, 230



221, 164, 119



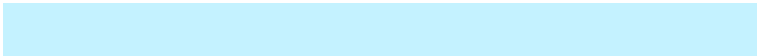
115, 179, 102

Sweetspot

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



50, 123, 215



196, 222, 255



50, 188, 215



92, 108, 128



0, 0, 0



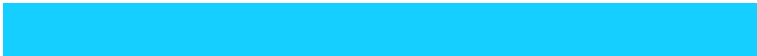
128, 128, 128

Same Dimension

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



50, 123, 215



20, 124, 255



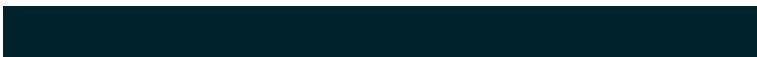
50, 88, 215



96, 101, 107



0, 76, 171



0, 19, 43

Inverse Universe

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



215, 50, 181



255, 20, 207



120, 215, 50



107, 96, 105



171, 0, 136



43, 0, 34

Previews

White Background



This preview shows how the RYB color 50, 123, 215 looks on a white background.

Color Contrast Check

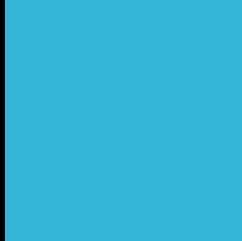
Large Text (above 18pt) WCAG AA × Fail

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, 123, 215 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, 123, 215 Background



This preview shows how black text looks on a background with the RYB color 50, 123, 215.

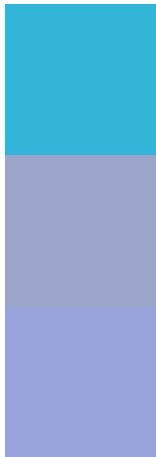


This preview shows how white text looks on a background with the RYB color 50, 123, 215.

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](#).

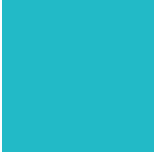
Dichromacy



Original Color
50, 123, 215

Protanopia
157, 163, 203

Deuteranopia
153, 162, 219



Tritanopia
34, 113, 199

Trichromacy



Original Color

50, 123, 215



Protanomaly

118, 151, 207



Deuteranomaly

116, 151, 218



Tritanomaly

40, 117, 205

Monochromacy



Original Color

50, 123, 215



Achromatopsia

146, 146, 146



Achromatomaly

111, 138, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 123, 215 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, 181, 215)` looks like.

```
.text, #text, p{  
    color:rgb(50, 181, 215)  
}
```

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, 181, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 181, 215) }
```

Border

The CSS property to change the border of an element to RYB 50, 123, 215 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, 181, 215) }
```

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

```
.border{ border-color:rgb(50, 181, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 181, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 181, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 181, 215);  
box-shadow:4px 4px 4px 4px rgb(50, 181,  
215) }
```

Background

The CSS property to change the background color of an element to RYB 50, 123, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 181, 215) }
```

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

```
.background{ background-color: rgb(50, 181,  
215) }
```

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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