

Converting Colors

`RYB(47, 132, 208)`

Have a look what the booklet for
RYB(47, 132, 208) contains.

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Color

RYB(47, 132, 208)

Conversions

Conversions Part 1

Format	Color
Hex	2FD0BF
RGB	47, 208, 191
RGB Percent	18%, 82%, 75%
CMY	0.8157, 0.1843, 0.2512
CMYK	0.77, 0.00, 0.08, 0.18
HSL	174°, 63%, 50%
HSV	174°, 77%, 82%
XYZ	33.1270, 49.4756, 57.0668
YIQ	157.9230, -90.4990, -39.4190

Conversions

Conversions Part 2

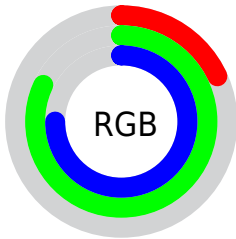
Format	Color
RYB	47, 132, 208
Decimal	3133631
CIELab	75.75, -43.59, -3.07
CIELCh	76, 43.694, 184.027
Yxy	49.4756, 0.2372, 0.3542
Android (android.graphics.Color)	4281323711 (0xFF2FD0BF)
YUV	157.9230, 16.3070, -97.2795
Hunter-Lab	70.3389, -39.0263, 1.1345

Details

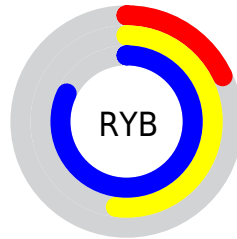
The RYB color **47, 132, 208** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **208, 47, 64**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **120, 190, 255**, and **0, 80, 153** is the 20% darker color. If you saturate the color by 10%, you get **26, 122, 208**, and if you desaturate by 10%, it is **68, 142, 208**.

Distribution



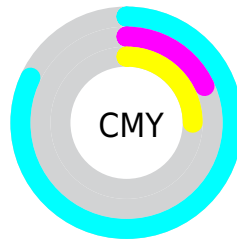
- Red (18%)
- Green (82%)
- Blue (75%)



- Red (18%)
- Yellow (52%)
- Blue (82%)



- Cyan (77%)
- Magenta (0%)
- Yellow (8%)
- Black (18%)





- Cyan (82%)
- Magenta (18%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 132, 208 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 47, 132, 208 by changing the saturation by 10% instead.

 47, 132, 208

 47, 132, 208

255, 255, 255

 0, 94, 180

 120, 190, 255

 0, 80, 153

 152, 204, 255

 0, 67, 126

 183, 219, 255


 0, 53, 100

 213, 234, 255


 0, 40, 75


 244, 250, 255

 0, 28, 52

 0, 16, 29

 0, 0, 0

 47, 132, 208

 47, 132, 208

■ 26, 122, 208

■ 68, 142, 208

■ 5, 112, 208

■ 89, 152, 208

■ 0, 110, 208

■ 109, 161, 208

■ 130, 171, 208

■ 151, 181, 208

■ 172, 191, 208

■ 193, 201, 208

■ 213, 208, 209

■ 234, 208, 211

Harmonies

Analogous

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



115, 180, 205



47, 132, 208



0, 109, 230

Triad

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



47, 132, 208



198, 174, 254



241, 219, 115

Complementary

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



47, 132, 208



208, 47, 64

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.



255, 161, 144



47, 132, 208



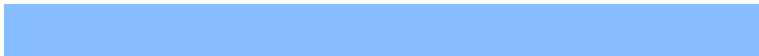
242, 161, 223

Square

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



47, 132, 208



135, 172, 255



255, 155, 183



131, 207, 105

Rectangle

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



47, 132, 208



0, 112, 251



255, 155, 183



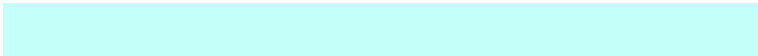
250, 190, 123

Sweetspot

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



47, 132, 208



196, 227, 255



47, 208, 189



92, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



47, 132, 208



18, 143, 255



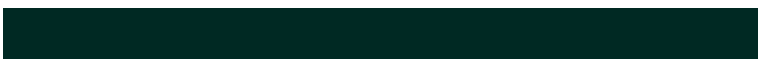
47, 108, 208



94, 100, 105



0, 89, 168



0, 22, 41

Inverse Universe

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



208, 47, 64



255, 18, 43



208, 148, 47



105, 94, 95



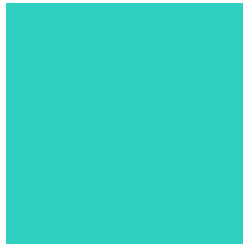
168, 0, 18



41, 0, 4

Previews

White Background



This preview shows how the RYB color 47, 132, 208 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 47, 132, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

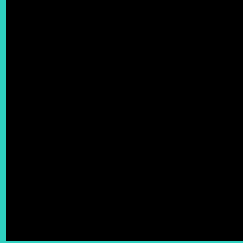
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

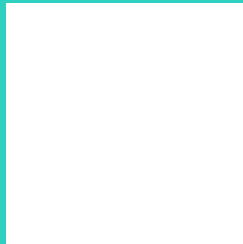
Any Text WCAG AAA ✓ Pass

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

RGB 47, 132, 208 Background



This preview shows how black text looks on a background with the RGB color 47, 132, 208.



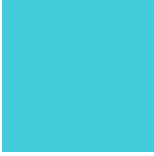
This preview shows how white text looks on a background with the RGB color 47, 132, 208.

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





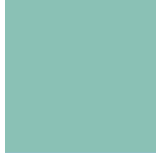
Tritanopia
67, 139, 220

Trichromacy



Original Color

47, 132, 208



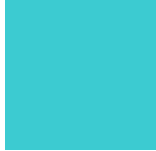
Protanomaly

138, 169, 193



Deuteranomaly

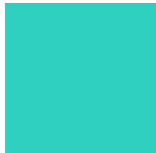
143, 168, 195



Tritanomaly

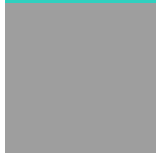
60, 133, 209

Monochromacy



Original Color

47, 132, 208



Achromatopsia

158, 158, 158



Achromatomaly

118, 149, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 132, 208 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(47, 208, 191)` looks like.

```
.text, #text, p{  
    color:rgb(47, 208, 191)  
}
```

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(47, 208, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 208, 191) }
```

Border

The CSS property to change the border of an element to RYB 47, 132, 208 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(47, 208, 191) }
```

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

```
.border{ border-color:rgb(47, 208, 191) }
```

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

Here you see how a box with a 4 pixel rgb(47, 208, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 208, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 208, 191);  
box-shadow:4px 4px 4px 4px rgb(47, 208,  
191) }
```

Background

The CSS property to change the background color of an element to RYB 47, 132, 208 is called "background".

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

```
.background, #background, body{  
background: rgb(47, 208, 191) }
```

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

```
.background{ background-color: rgb(47, 208,  
191) }
```

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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