

Converting Colors

`RYB(45, 147, 223)`

Have a look what the booklet for
RYB(45, 147, 223) contains.

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Color

$\text{RYB}(45, 147, 223)$

Conversions

Conversions Part 1

Format	Color
Hex	2DDFB2
RGB	45, 223, 178
RGB Percent	18%, 87%, 70%
CMY	0.8235, 0.1255, 0.3034
CMYK	0.80, 0.00, 0.20, 0.13
HSL	165°, 74%, 53%
HSV	165°, 80%, 87%
XYZ	35.4684, 56.5326, 50.9661
YIQ	164.6480, -91.6430, -51.7310

Conversions

Conversions Part 2

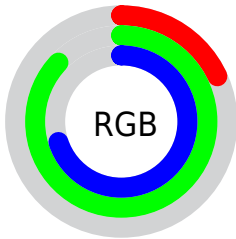
Format	Color
RYB	45, 147, 223
Decimal	3006386
CIELab	79.92, -53.46, 10.08
CIELCh	80, 54.400, 169.317
Yxy	56.5326, 0.2481, 0.3954
Android (android.graphics.Color)	4281196466 (0xFF2DDFB2)
YUV	164.6480, 6.5825, -104.9313
Hunter-Lab	75.1882, -47.3759, 12.4421

Details

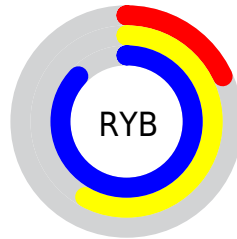
The RYB color **45, 147, 223** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **223, 45, 90**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **121, 194, 255**, and **0, 96, 167** is the 20% darker color. If you saturate the color by 10%, you get **23, 138, 223**, and if you desaturate by 10%, it is **67, 156, 223**.

Distribution



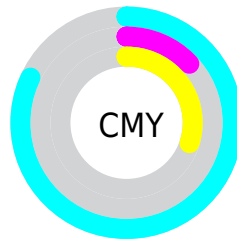
- Red (18%)
- Green (87%)
- Blue (70%)



- Red (18%)
- Yellow (58%)
- Blue (87%)



- Cyan (80%)
- Magenta (0%)
- Yellow (20%)
- Black (13%)



- Cyan (82%)
- Magenta (13%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 147, 223 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, 147, 223 by changing the saturation by 10% instead.



45, 147, 223



45, 147, 223

255, 255, 255



0, 110, 195



121, 194, 255



0, 96, 167



153, 204, 255



0, 81, 139



184, 220, 255



0, 68, 113



215, 235, 255



0, 54, 87



246, 251, 255



0, 41, 62



0, 32, 40



0, 0, 0



45, 147, 223



45, 147, 223

■ 23, 138, 223

■ 67, 156, 223

■ 0, 128, 223

■ 90, 166, 223

■ 112, 176, 223

■ 134, 185, 223

■ 157, 195, 223

■ 179, 204, 223

■ 201, 214, 223

■ 223, 223, 223

■ 246, 223, 229

Harmonies

Analogous

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



130, 217, 209



45, 147, 223



0, 113, 230

Triad

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



45, 147, 223



173, 188, 255



255, 198, 123

Complementary

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



45, 147, 223



223, 45, 90

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, 157, 167



45, 147, 223



243, 172, 255

Square

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



45, 147, 223



54, 142, 255



255, 158, 219



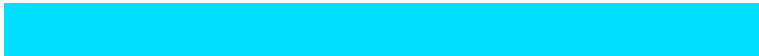
185, 244, 97

Rectangle

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



45, 147, 223



0, 119, 255



255, 158, 219



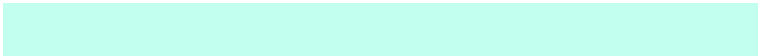
255, 174, 136

Sweetspot

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



45, 147, 223



194, 229, 255



45, 223, 176



91, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



45, 147, 223



10, 150, 255



45, 122, 223



101, 107, 112



0, 101, 176



0, 27, 48

Inverse Universe

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



223, 45, 90



255, 10, 73



223, 100, 45



112, 101, 104



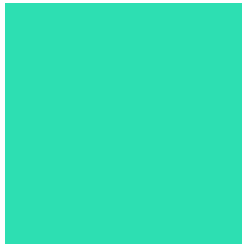
176, 0, 45



48, 0, 12

Previews

White Background



This preview shows how the RYB color 45, 147, 223 looks on a white background.

Color Contrast Check

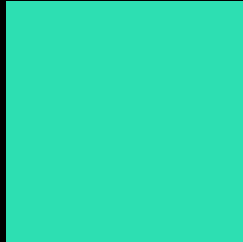
Large Text (above 18pt) WCAG AA × Fail

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, 147, 223 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

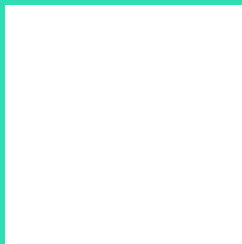
Any Text WCAG AAA ✓ Pass

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

RYB 45, 147, 223 Background



This preview shows how black text looks on a background with the RYB color 45, 147, 223.

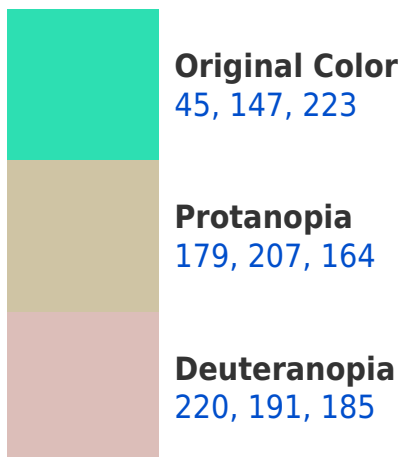


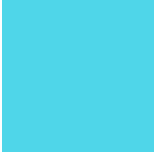
This preview shows how white text looks on a background with the RYB color 45, 147, 223.

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](#).

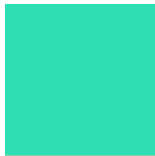
Dichromacy





Tritanopia
79, 151, 233

Trichromacy



Original Color

45, 147, 223



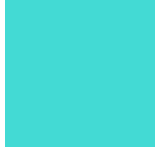
Protanomaly

148, 191, 206



Deuteranomaly

156, 185, 202



Tritanomaly

67, 144, 218

Monochromacy



Original Color

45, 147, 223



Achromatopsia

165, 165, 165



Achromatomaly

121, 158, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 147, 223 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, 223, 178)` looks like.

```
.text, #text, p{  
    color:rgb(45, 223, 178)  
}
```

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, 223, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 223, 178) }
```

Border

The CSS property to change the border of an element to RYB 45, 147, 223 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, 223, 178) }
```

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

```
.border{ border-color:rgb(45, 223, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 223, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 223, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 223, 178);  
box-shadow:4px 4px 4px 4px rgb(45, 223,  
178) }
```

Background

The CSS property to change the background color of an element to RYB 45, 147, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 223, 178) }
```

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

```
.background{ background-color: rgb(45, 223,  
178) }
```

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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