

Converting Colors

`RYB(45, 162, 246)`

Have a look what the booklet for
RYB(45, 162, 246) contains.

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Color

RYB(45, 162, 246)

Conversions

Conversions Part 1

Format	Color
Hex	2DF6BD
RGB	45, 246, 189
RGB Percent	18%, 96%, 74%
CMY	0.8235, 0.0353, 0.2576
CMYK	0.82, 0.00, 0.23, 0.04
HSL	163°, 92%, 57%
HSV	163°, 82%, 96%
XYZ	43.2567, 70.1569, 59.5812
YIQ	179.4030, -101.4990, -60.3390

Conversions

Conversions Part 2

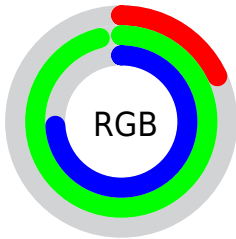
Format	Color
RYB	45, 162, 246
Decimal	3012285
CIELab	87.07, -59.68, 14.13
CIELCh	87, 61.334, 166.683
Yxy	70.1569, 0.2500, 0.4055
Android (android.graphics.Color)	4281202365 (0xFF2DF6BD)
YUV	179.4030, 4.7313, -117.8714
Hunter-Lab	83.7597, -54.3953, 16.4568

Details

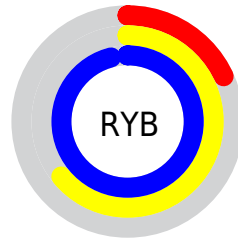
The RYB color **45, 162, 246** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **246, 45, 102**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **126, 193, 255**, and **0, 109, 188** is the 20% darker color. If you saturate the color by 10%, you get **20, 152, 246**, and if you desaturate by 10%, it is **70, 173, 246**.

Distribution



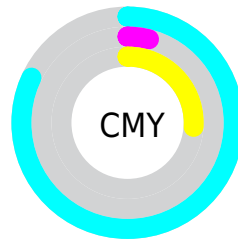
- Red (18%)
- Green (96%)
- Blue (74%)



- Red (18%)
- Yellow (64%)
- Blue (96%)



- Cyan (82%)
- Magenta (0%)
- Yellow (23%)
- Black (4%)




















- Cyan (82%)
- Magenta (4%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 162, 246 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, 162, 246 by changing the saturation by 10% instead.

 45, 162, 246	 45, 162, 246
 255, 255, 255	 0, 124, 217
 126, 193, 255	 0, 109, 188
 159, 207, 255	 0, 96, 161
 191, 223, 255	 0, 81, 133
 223, 239, 255	 0, 67, 107
 254, 255, 255	 0, 54, 81
	 0, 42, 57
	 0, 32, 32
	 0, 0, 0

■ 45, 162, 246

■ 45, 162, 246

■ 20, 152, 246

■ 70, 173, 246

■ 0, 143, 246

■ 94, 183, 246

■ 119, 193, 246

■ 143, 203, 246

■ 168, 213, 246

■ 193, 224, 246

■ 217, 234, 246

■ 242, 244, 246

■ 255, 246, 252

Harmonies

Analogous

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



135, 239, 220



45, 162, 246



0, 124, 250

Triad

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



45, 162, 246



179, 202, 255



255, 216, 136

Complementary

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



45, 162, 246



246, 45, 102

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, 170, 188



45, 162, 246



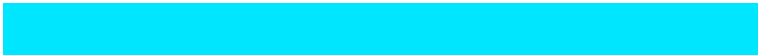
255, 190, 255

Square

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



45, 162, 246



0, 121, 255



255, 172, 247



174, 255, 102

Rectangle

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



45, 162, 246



0, 125, 255



255, 172, 247



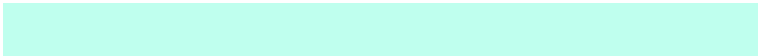
255, 187, 151

Sweetspot

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



45, 162, 246



191, 228, 255



45, 246, 189



89, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



45, 162, 246



5, 150, 255



45, 133, 246



110, 117, 122



0, 108, 186



0, 34, 59

Inverse Universe

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



246, 45, 102



255, 5, 76



246, 101, 45



122, 110, 114



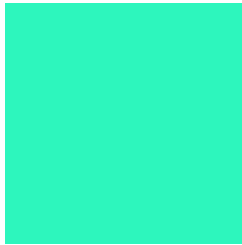
186, 0, 53



59, 0, 17

Previews

White Background



This preview shows how the RYB color 45, 162, 246 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, 162, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

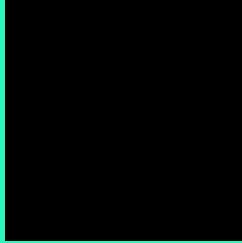
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

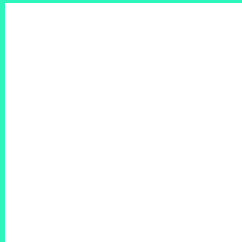
Any Text WCAG AAA ✓ Pass

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

RGB 45, 162, 246 Background



This preview shows how black text looks on a background with the RGB color 45, 162, 246.

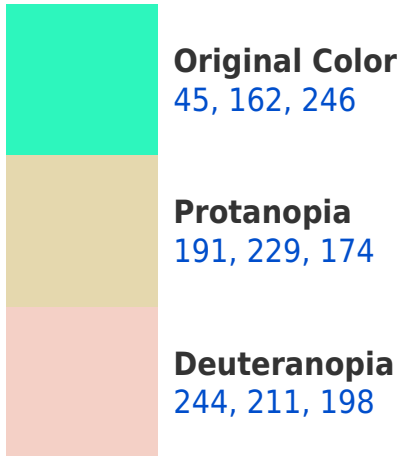


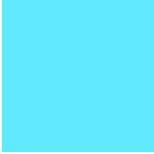
This preview shows how white text looks on a background with the RGB color 45, 162, 246.

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





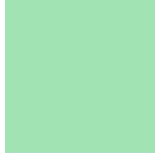
Tritanopia
96, 170, 255

Trichromacy



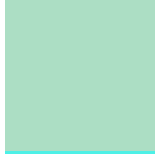
Original Color

45, 162, 246



Protanomaly

162, 213, 227



Deuteranomaly

172, 206, 222



Tritanomaly

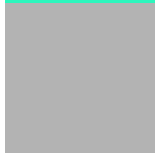
77, 161, 240

Monochromacy



Original Color

45, 162, 246



Achromatopsia

179, 179, 179



Achromatomaly

130, 172, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 162, 246 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, 246, 189) looks like.

```
.text, #text, p{  
    color:rgb(45, 246, 189)  
}
```

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, 246, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 246, 189) }
```

Border

The CSS property to change the border of an element to RYB 45, 162, 246 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, 246, 189) }
```

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

```
.border{ border-color:rgb(45, 246, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 246, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 246, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 246, 189);  
box-shadow:4px 4px 4px 4px rgb(45, 246,  
189) }
```

Background

The CSS property to change the background color of an element to RYB 45, 162, 246 is called "background".

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

```
.background, #background, body{  
background: rgb(45, 246, 189) }
```

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

```
.background{ background-color: rgb(45, 246,  
189) }
```

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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