

Converting Colors

`RYB(45, 189, 252)`

Have a look what the booklet for
RYB(45, 189, 252) contains.

RYB(45, 189, 252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(45, 189, 252)

Conversions

Conversions Part 1

Format	Color
Hex	2DFC88
RGB	45, 252, 136
RGB Percent	18%, 99%, 53%
CMY	0.8235, 0.0118, 0.4684
CMYK	0.82, 0.00, 0.46, 0.01
HSL	146°, 97%, 58%
HSV	146°, 82%, 99%
XYZ	40.3055, 71.9439, 34.8921
YIQ	176.8830, -86.1360, -79.9600

Conversions

Conversions Part 2

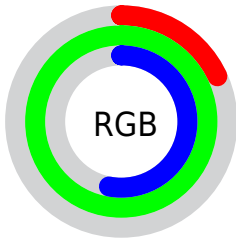
Format	Color
RYB	45, 189, 252
Decimal	3013768
CIELab	87.94, -72.38, 42.35
CIELCh	88, 83.856, 149.669
Yxy	71.9439, 0.2739, 0.4889
Android (android.graphics.Color)	4281203848 (0xFF2DFC88)
YUV	176.8830, -20.1553, -115.6614
Hunter-Lab	84.8197, -63.6131, 34.9838

Details

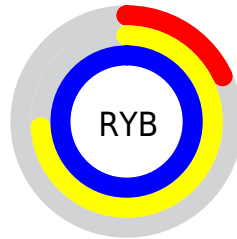
The RYB color **45, 189, 252** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **252, 45, 161**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **127, 212, 255**, and **0, 135, 194** is the 20% darker color. If you saturate the color by 10%, you get **20, 182, 252**, and if you desaturate by 10%, it is **70, 196, 252**.

Distribution



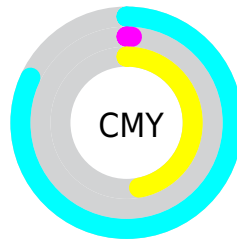
- Red (18%)
- Green (99%)
- Blue (53%)



- Red (18%)
- Yellow (74%)
- Blue (99%)



- Cyan (82%)
- Magenta (0%)
- Yellow (46%)
- Black (1%)



















- Cyan (82%)
- Magenta (1%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 189, 252 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, 189, 252 by changing the saturation by 10% instead.

 45, 189, 252	 45, 189, 252
 255, 255, 255	 0, 150, 223
 127, 213, 255	 0, 136, 194
 160, 219, 255	 0, 123, 166
 192, 225, 255	 0, 112, 138
 224, 240, 255	 0, 111, 111
	 0, 85, 85
	 0, 60, 60
	 0, 35, 35
	 0, 0, 0

■ 45, 189, 252

■ 45, 189, 252

■ 20, 182, 252

■ 70, 196, 252

■ 0, 175, 252

■ 95, 204, 252

■ 121, 212, 252

■ 146, 220, 252

■ 171, 228, 252

■ 196, 235, 252

■ 221, 242, 252

■ 247, 251, 252

■ 255, 252, 255

Harmonies

Analogous

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



66, 239, 123



45, 189, 252



0, 138, 255

Triad

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



45, 189, 252



0, 121, 255



255, 155, 146

Complementary

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



45, 189, 252



252, 45, 161

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, 143, 225



45, 189, 252



218, 200, 255

Square

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



45, 189, 252



0, 126, 255



255, 164, 255



195, 255, 79

Rectangle

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



45, 189, 252



0, 128, 255



255, 164, 255



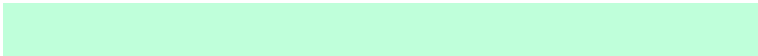
255, 147, 172

Sweetspot

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



45, 189, 252



191, 236, 255



45, 252, 135



89, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



45, 189, 252



3, 178, 255



45, 152, 252



112, 121, 125



0, 131, 189



0, 42, 61

Inverse Universe

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



252, 45, 161



255, 3, 145



252, 45, 59



125, 112, 119



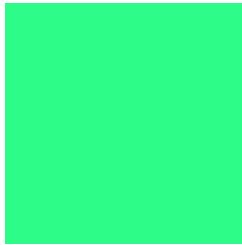
189, 0, 106



61, 0, 34

Previews

White Background



This preview shows how the RYB color 45, 189, 252 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, 189, 252 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, 189, 252 Background



This preview shows how black text looks on a background with the RGB color 45, 189, 252.

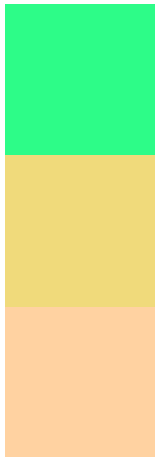


This preview shows how white text looks on a background with the RGB color 45, 189, 252.

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](#).

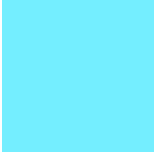
Dichromacy



Original Color
45, 189, 252

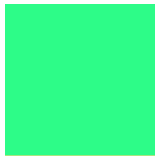
Protanopia
150, 240, 123

Deuteranopia
247, 255, 161



Tritanopia
116, 181, 255

Trichromacy



Original Color

45, 189, 252



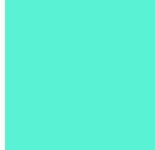
Protanomaly

128, 230, 189



Deuteranomaly

152, 225, 198



Tritanomaly

90, 174, 242

Monochromacy



Original Color

45, 189, 252



Achromatopsia

177, 177, 177



Achromatomaly

129, 181, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 189, 252 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, 252, 136)` looks like.

```
.text, #text, p{  
    color:rgb(45, 252, 136)  
}
```

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, 252, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 252, 136) }
```

Border

The CSS property to change the border of an element to RYB 45, 189, 252 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, 252, 136) }
```

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

```
.border{ border-color:rgb(45, 252, 136) }
```

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

Here you see how a box with a 4 pixel rgb(45, 252, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 252, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 252, 136);  
box-shadow:4px 4px 4px 4px rgb(45, 252,  
136) }
```

Background

The CSS property to change the background color of an element to RYB 45, 189, 252 is called "background".

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

```
.background, #background, body{  
background: rgb(45, 252, 136) }
```

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

```
.background{ background-color: rgb(45, 252,  
136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor