

Converting Colors

`RYB(45, 252, 180)`

Have a look what the booklet for
RYB(45, 252, 180) contains.

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Color

$\text{RYB}(45, 252, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	75FC2D
RGB	117, 252, 45
RGB Percent	46%, 99%, 18%
CMY	0.5412, 0.0118, 0.8235
CMYK	0.54, 0.00, 0.82, 0.01
HSL	99°, 97%, 58%
HSV	99°, 82%, 99%
XYZ	42.6202, 73.5922, 14.4410
YIQ	188.0370, -14.0130, -92.9970

Conversions

Conversions Part 2

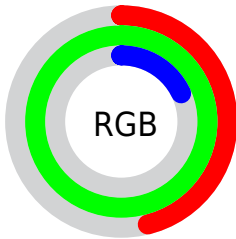
Format	Color
RYB	45, 252, 180
Decimal	7732269
CIELab	88.73, -68.72, 78.57
CIELCh	89, 104.383, 131.171
Yxy	73.5922, 0.3262, 0.5633
Android (android.graphics.Color)	4285922349 (0xFF75FC2D)
YUV	188.0370, -70.5172, -62.2994
Hunter-Lab	85.7859, -61.4429, 50.0694

Details

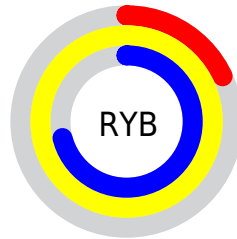
The RYB color **45, 252, 180** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **180, 45, 252**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **110, 255, 185**, and **0, 194, 153** is the 20% darker color. If you saturate the color by 10%, you get **20, 252, 171**, and if you desaturate by 10%, it is **70, 252, 189**.

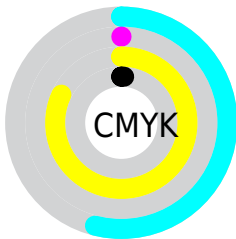
Distribution



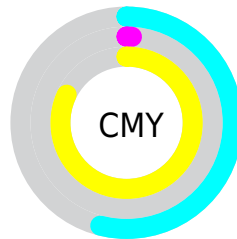
- Red (46%)
- Green (99%)
- Blue (18%)



- Red (18%)
- Yellow (99%)
- Blue (71%)



- Cyan (54%)
- Magenta (0%)
- Yellow (82%)
- Black (1%)




















- Cyan (54%)
- Magenta (1%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 252, 180 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, 252, 180 by changing the saturation by 10% instead.

 45, 252, 180	 45, 252, 180
 255, 255, 255	 0, 223, 140
 110, 255, 185	 0, 194, 153
 139, 255, 183	 0, 166, 166
 169, 255, 182	 0, 139, 139
 198, 255, 198	 0, 112, 112
 228, 255, 228	 0, 86, 86
	 0, 62, 62
	 0, 37, 37
	 0, 0, 0

■ 45, 252, 180

■ 45, 252, 180

■ 20, 252, 171

■ 70, 252, 189

■ 0, 252, 164

■ 95, 252, 197

■ 121, 252, 207

■ 146, 252, 215

■ 171, 252, 224

■ 196, 252, 232

■ 221, 252, 241

■ 247, 252, 251

■ 255, 252, 255

Harmonies

Analogous

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



3, 233, 0



45, 252, 180



0, 159, 255

Triad

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



45, 252, 180



0, 126, 255



255, 109, 190

Complementary

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



45, 252, 180



180, 45, 252

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, 126, 255



45, 252, 180



0, 119, 255

Square

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



45, 252, 180



0, 128, 255



255, 177, 255



255, 172, 95

Rectangle

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



45, 252, 180



0, 136, 255



255, 177, 255



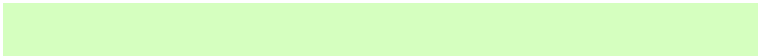
255, 107, 223

Sweetspot

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



45, 252, 180



191, 255, 233



155, 252, 45



89, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

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



45, 252, 180



3, 255, 168



45, 225, 252



112, 125, 120



0, 189, 123



0, 61, 40

Inverse Universe

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



180, 45, 252



167, 3, 255



252, 45, 221



121, 112, 125



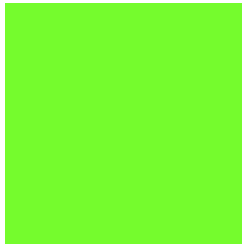
123, 0, 189



40, 0, 61

Previews

White Background



This preview shows how the RYB color 45, 252, 180 looks on a white background.

Color Contrast Check

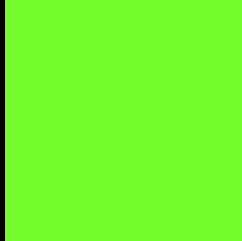
Large Text (above 18pt) WCAG AA × Fail

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, 252, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

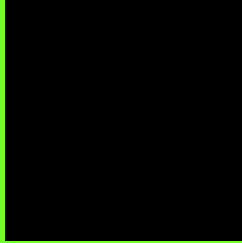
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

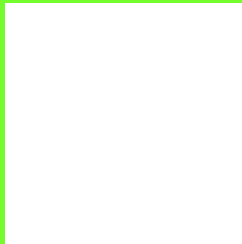
Any Text WCAG AAA ✓ Pass

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

RYB 45, 252, 180 Background



This preview shows how black text looks on a background with the RYB color 45, 252, 180.

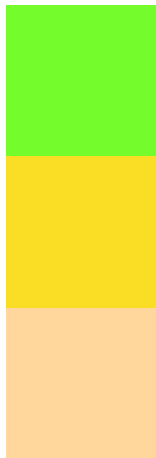


This preview shows how white text looks on a background with the RYB color 45, 252, 180.

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, 252, 180

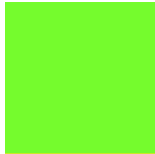
Protanopia
68, 249, 37

Deuteranopia
223, 255, 156



Tritanopia
152, 198, 253

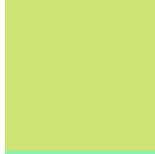
Trichromacy



Original Color
45, 252, 180



Protanomaly
40, 233, 72

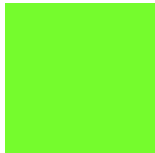


Deuteranomaly
116, 228, 139

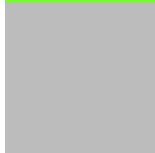


Tritanomaly
139, 213, 241

Monochromacy



Original Color
45, 252, 180



Achromatopsia
188, 188, 188



Achromatomaly
136, 211, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 252, 180 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(117, 252, 45)` looks like.

```
.text, #text, p{  
    color:rgb(117, 252, 45)  
}
```

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(117, 252, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 252, 45) }
```

Border

The CSS property to change the border of an element to RYB 45, 252, 180 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(117, 252, 45) }
```

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

```
.border{ border-color:rgb(117, 252, 45) }
```

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

Here you see how a box with a 4 pixel rgb(117, 252, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 252, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 252, 45);  
box-shadow:4px 4px 4px 4px rgb(117, 252,  
45) }
```

Background

The CSS property to change the background color of an element to RYB 45, 252, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 252, 45) }
```

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

```
.background{ background-color: rgb(117,  
252, 45) }
```

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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