

Converting Colors

`RYB(48, 188, 237)`

Have a look what the booklet for
RYB(48, 188, 237) contains.

RYB(48, 188, 237)	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(48, 188, 237)`

Conversions

Conversions Part 1

Format	Color
Hex	30ED72
RGB	48, 237, 114
RGB Percent	19%, 93%, 45%
CMY	0.8118, 0.0706, 0.5524
CMYK	0.80, 0.00, 0.52, 0.07
HSL	141°, 84%, 56%
HSV	141°, 80%, 93%
XYZ	34.5489, 62.4151, 26.1908
YIQ	166.4670, -73.1610, -78.3210

Conversions

Conversions Part 2

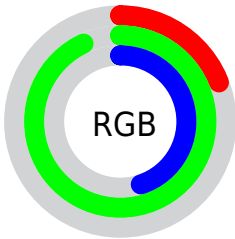
Format	Color
RYB	48, 188, 237
Decimal	3206514
CIELab	83.13, -70.46, 46.54
CIELCh	83, 84.445, 146.558
Yxy	62.4151, 0.2805, 0.5068
Android (android.graphics.Color)	4281396594 (0xFF30ED72)
YUV	166.4670, -25.8662, -103.8956
Hunter-Lab	79.0032, -60.1957, 35.6467

Details

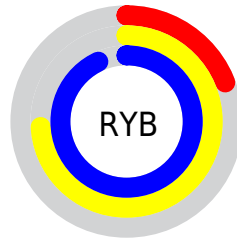
The RYB color **48, 188, 237** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **237, 48, 171**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **125, 223, 255**, and **0, 134, 180** is the 20% darker color. If you saturate the color by 10%, you get **24, 182, 237**, and if you desaturate by 10%, it is **72, 194, 237**.

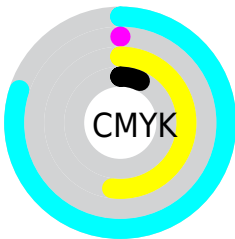
Distribution



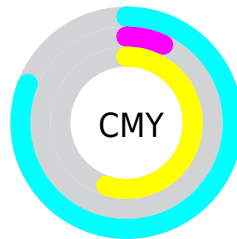
- Red (19%)
- Green (93%)
- Blue (45%)



- Red (19%)
- Yellow (74%)
- Blue (93%)



- Cyan (80%)
- Magenta (0%)
- Yellow (52%)
- Black (7%)








- Cyan (81%)
- Magenta (7%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the RYB color 48, 188, 237 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 48, 188, 237 by changing the saturation by 10% instead.

 48, 188, 237	 48, 188, 237
 255, 255, 255	 0, 146, 208
 125, 223, 255	 0, 134, 180
 158, 228, 255	 0, 124, 152
 189, 232, 255	 0, 124, 124
 221, 238, 255	 0, 98, 98
 252, 254, 255	 0, 72, 72
	 0, 48, 48
	 0, 19, 19
	 0, 0, 0

 48, 188, 237

 48, 188, 237

 24, 182, 237

 72, 194, 237

 1, 176, 237

 95, 200, 237

 0, 176, 237

 119, 207, 237

 143, 213, 237

 166, 219, 237

 190, 225, 237

 214, 231, 237

 238, 237, 237

 255, 237, 253

Harmonies

Analogous

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



41, 223, 87



48, 188, 237



0, 135, 243

Triad

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



48, 188, 237



0, 118, 255



255, 136, 141

Complementary

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



48, 188, 237



237, 48, 171

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, 128, 220



48, 188, 237



188, 190, 255

Square

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



48, 188, 237



0, 123, 255



255, 153, 255



236, 255, 71

Rectangle

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



48, 188, 237



0, 123, 250



255, 153, 255



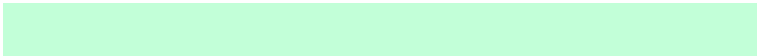
255, 130, 167

Sweetspot

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



48, 188, 237



194, 239, 255



48, 237, 114



91, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



48, 188, 237



10, 191, 255



48, 150, 237



106, 114, 117



0, 134, 181



0, 40, 54

Inverse Universe

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



237, 48, 171



255, 10, 169



237, 48, 76



117, 106, 113



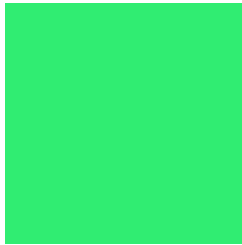
181, 0, 118



54, 0, 35

Previews

White Background



This preview shows how the RYB color 48, 188, 237 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 48, 188, 237 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 48, 188, 237 Background



This preview shows how black text looks on a background with the RGB color 48, 188, 237.

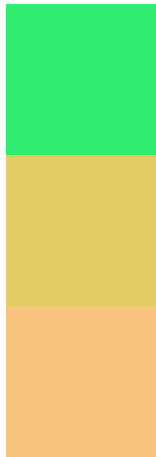


This preview shows how white text looks on a background with the RGB color 48, 188, 237.

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](#).

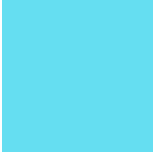
Dichromacy



Original Color
48, 188, 237

Protanopia
130, 227, 103

Deuteranopia
215, 248, 125



Tritanopia
101, 166, 241

Trichromacy



Original Color
48, 188, 237



Protanomaly
107, 217, 162



Deuteranomaly
121, 211, 157

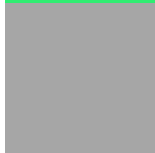


Tritanomaly
82, 164, 228

Monochromacy



Original Color
48, 188, 237



Achromatopsia
166, 166, 166



Achromatomaly
123, 174, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 188, 237 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(48, 237, 114)` looks like.

```
.text, #text, p{  
    color:rgb(48, 237, 114)  
}
```

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(48, 237, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 237, 114) }
```

Border

The CSS property to change the border of an element to RYB 48, 188, 237 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(48, 237, 114) }
```

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

```
.border{ border-color:rgb(48, 237, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 237, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 237, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 237, 114);  
box-shadow:4px 4px 4px 4px rgb(48, 237,  
114) }
```

Background

The CSS property to change the background color of an element to RYB 48, 188, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 237, 114) }
```

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

```
.background{ background-color: rgb(48, 237,  
114) }
```

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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