

Converting Colors

RGB(46, 204, 238)

Have a look what the booklet for
RGB(46, 204, 238) contains.

RGB(46, 204, 238)	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

RGB(46, 204, 238)

Conversions

Conversions Part 1

Format	Color
Hex	2ECCEE
RGB	46, 204, 238
RGB Percent	18%, 80%, 93%
CMY	0.8196, 0.2000, 0.0667
CMYK	0.81, 0.14, 0.00, 0.07
HSL	191°, 85%, 56%
HSV	191°, 81%, 93%
XYZ	38.1522, 49.9396, 88.5174
YIQ	160.6340, -105.0820, -22.9220

Conversions

Conversions Part 2

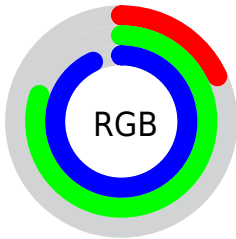
Format	Color
RYB	46, 133, 238
Decimal	3067118
CIELab	76.03, -27.86, -27.98
CIELCh	76, 39.486, 225.131
Yxy	49.9396, 0.2160, 0.2828
Android (android.graphics.Color)	4281257198 (0xFF2ECCEE)
YUV	160.6340, 38.1414, -100.5340
Hunter-Lab	70.6680, -27.3004, -24.7980

Details

The RGB color **46, 204, 238** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **238, 80, 46**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **124, 255, 255**, and **0, 149, 182** is the 20% darker color. If you saturate the color by 10%, you get **22, 200, 238**, and if you desaturate by 10%, it is **70, 208, 238**.

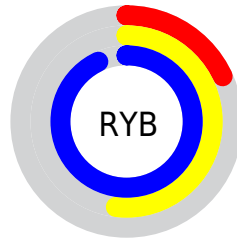
Distribution



Red (18%)

Green (80%)

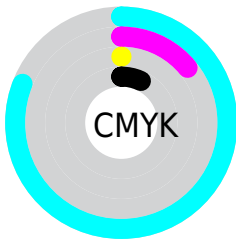
Blue (93%)



Red (18%)

Yellow (52%)

Blue (93%)

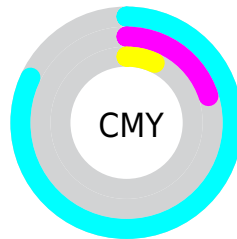


Cyan (81%)

Magenta (14%)

Yellow (0%)

Black (7%)



Cyan (82%)


















Magenta (20%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RGB color 46, 204, 238 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 RGB color 46, 204, 238 by changing the saturation by 10% instead.

 46, 204, 238	 46, 204, 238
 255, 255, 255	 0, 176, 210
 124, 255, 255	 0, 149, 182
 157, 255, 255	 0, 123, 155
 189, 255, 255	 0, 98, 129
 220, 255, 255	 0, 74, 104
 252, 255, 255	 0, 51, 79
	 0, 32, 56
	 0, 2, 35
	 0, 0, 10

■ 46, 204, 238

■ 46, 204, 238

■ 22, 200, 238

■ 70, 208, 238

■ 0, 196, 238

■ 94, 212, 238

■ 117, 217, 238

■ 141, 221, 238

■ 165, 225, 238

■ 189, 229, 238

■ 213, 234, 238

■ 236, 238, 238

■ 255, 242, 238

Harmonies

Analogous

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



57, 207, 205



46, 204, 238



104, 196, 255

Triad

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



46, 204, 238



247, 161, 207



193, 191, 116

Complementary

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



46, 204, 238



238, 80, 46

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.



228, 179, 117



46, 204, 238



255, 160, 170

Square

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



46, 204, 238



215, 171, 239



251, 167, 137



152, 200, 135

Rectangle

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



46, 204, 238



145, 189, 255



251, 167, 137



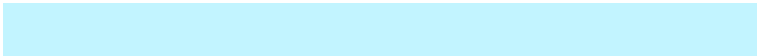
206, 187, 114

Sweetspot

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



46, 204, 238



194, 244, 255



46, 238, 78



91, 121, 128



0, 0, 0



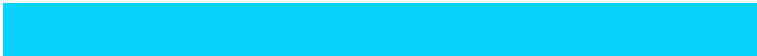
128, 128, 128

Same Dimension

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



46, 204, 238



8, 211, 255



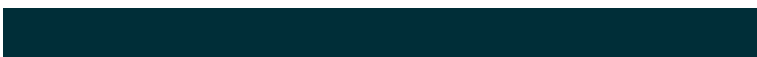
46, 110, 238



108, 118, 120



0, 151, 184



0, 46, 56

Inverse Universe

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



238, 46, 204



255, 8, 211



238, 174, 46



120, 108, 118



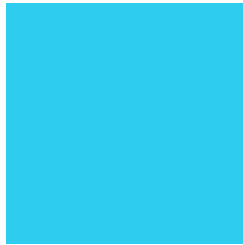
184, 0, 151



56, 0, 46

Previews

White Background



This preview shows how the RGB color 46, 204, 238 looks on a white background.

Color Contrast Check

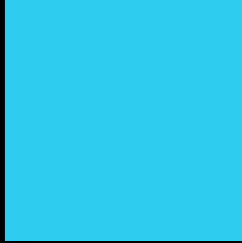
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 46, 204, 238 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 46, 204, 238 Background



This preview shows how black text looks on a background with the RGB color 46, 204, 238.

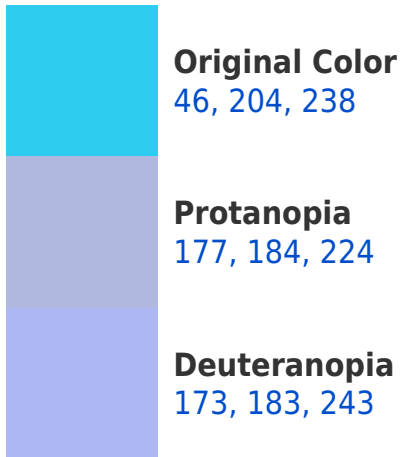


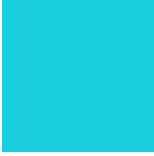
This preview shows how white text looks on a background with the RGB color 46, 204, 238.

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
26, 206, 223

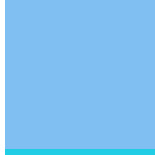
Trichromacy



Original Color
46, 204, 238



Protanomaly
129, 191, 229



Deuteranomaly
127, 191, 241

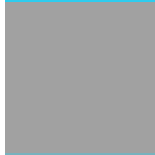


Tritanomaly
33, 205, 228

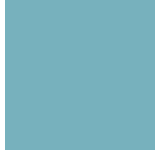
Monochromacy



Original Color
46, 204, 238



Achromatopsia
161, 161, 161



Achromatomaly
119, 177, 189

CSS Examples

Text

The CSS property to change the color of the text to RGB 46, 204, 238 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(46, 204, 238) looks like.

```
.text, #text, p{  
    color:rgb(46, 204, 238)  
}
```

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(46, 204, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 204, 238) }
```

Border

The CSS property to change the border of an element to RGB 46, 204, 238 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(46, 204, 238) }
```

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

```
.border{ border-color:rgb(46, 204, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 204, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 204, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 204, 238);  
box-shadow:4px 4px 4px 4px rgb(46, 204,  
238) }
```

Background

The CSS property to change the background color of an element to RGB 46, 204, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 204, 238) }
```

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

```
.background{ background-color: rgb(46, 204,  
238) }
```

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