

Converting Colors

RGB(46, 180, 210)

Have a look what the booklet for
RGB(46, 180, 210) contains.

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Color

RGB(46, 180, 210)

Conversions

Conversions Part 1

Format	Color
Hex	2EB4D2
RGB	46, 180, 210
RGB Percent	18%, 71%, 82%
CMY	0.8196, 0.2941, 0.1765
CMYK	0.78, 0.14, 0.00, 0.18
HSL	191°, 65%, 50%
HSV	191°, 78%, 82%
XYZ	29.0808, 37.8765, 66.7509
YIQ	143.3540, -89.4940, -19.0780

Conversions

Conversions Part 2

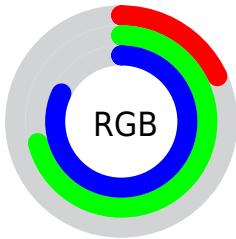
Format	Color
RYB	46, 120, 210
Decimal	3060946
CIELab	67.93, -24.85, -25.19
CIELCh	68, 35.385, 225.400
Yxy	37.8765, 0.2175, 0.2833
Android (android.graphics.Color)	4281251026 (0xFF2EB4D2)
YUV	143.3540, 32.8565, -85.3795
Hunter-Lab	61.5439, -23.3567, -21.2256

Details

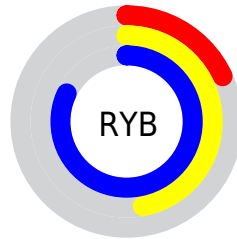
The RGB color **46, 180, 210** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **210, 76, 46**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **118, 236, 255**, and **0, 127, 155** is the 20% darker color. If you saturate the color by 10%, you get **25, 176, 210**, and if you desaturate by 10%, it is **67, 184, 210**.

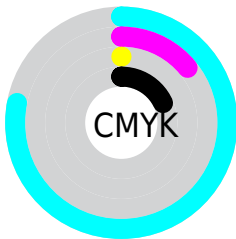
Distribution



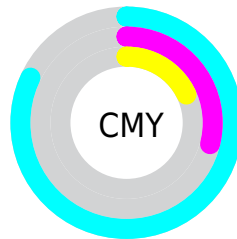
- Red (18%)
- Green (71%)
- Blue (82%)



- Red (18%)
- Yellow (47%)
- Blue (82%)



- Cyan (78%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)




















- Cyan (82%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RGB color 46, 180, 210 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, 180, 210 by changing the saturation by 10% instead.

 46, 180, 210	 46, 180, 210
 255, 255, 255	 0, 153, 182
 118, 236, 255	 0, 127, 155
 149, 255, 255	 0, 102, 129
 180, 255, 255	 0, 77, 104
 211, 255, 255	 0, 54, 80
 241, 255, 255	 0, 34, 57
	 0, 2, 35
	 0, 0, 11
	 0, 0, 0

■ 46, 180, 210

■ 46, 180, 210

■ 25, 176, 210

■ 67, 184, 210

■ 4, 172, 210

■ 88, 188, 210

■ 0, 172, 210

■ 109, 192, 210

■ 130, 195, 210

■ 151, 199, 210

■ 172, 203, 210

■ 193, 207, 210

■ 214, 211, 210

■ 235, 215, 210

Harmonies

Analogous

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



53, 183, 181



46, 180, 210



94, 173, 227

Triad

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



46, 180, 210



218, 143, 182



170, 169, 103

Complementary

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



46, 180, 210



210, 76, 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.



201, 158, 104



46, 180, 210



228, 141, 150

Square

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



46, 180, 210



190, 151, 211



221, 148, 121



135, 177, 120

Rectangle

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



46, 180, 210



130, 167, 229



221, 148, 121



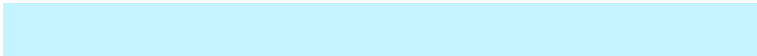
181, 165, 101

Sweetspot

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



46, 180, 210



196, 244, 255



46, 210, 73



92, 121, 128



0, 0, 0



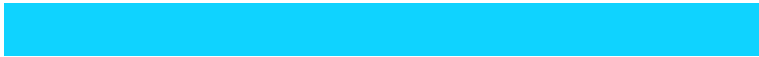
128, 128, 128

Same Dimension

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



46, 180, 210



15, 211, 255



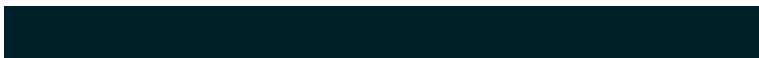
46, 101, 210



94, 103, 105



0, 138, 168



0, 33, 41

Inverse Universe

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



210, 46, 180



255, 15, 211



210, 155, 46



105, 94, 103



168, 0, 138



41, 0, 33

Previews

White Background



This preview shows how the RGB color 46, 180, 210 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, 180, 210 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, 180, 210 Background



This preview shows how black text looks on a background with the RGB color 46, 180, 210.

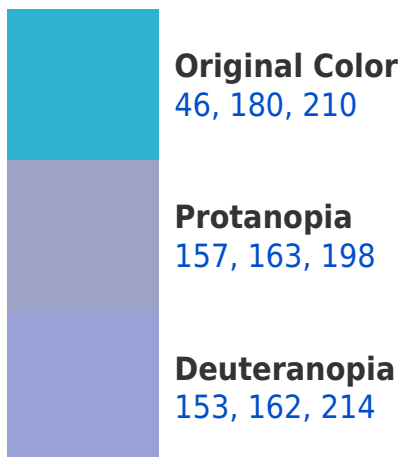


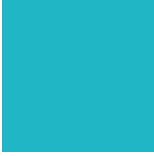
This preview shows how white text looks on a background with the RGB color 46, 180, 210.

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
32, 182, 197

Trichromacy



Original Color

46, 180, 210



Protanomaly

117, 169, 202



Deuteranomaly

114, 169, 213



Tritanomaly

37, 181, 202

Monochromacy



Original Color

46, 180, 210



Achromatopsia

143, 143, 143



Achromatomaly

108, 156, 167

CSS Examples

Text

The CSS property to change the color of the text to RGB 46, 180, 210 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, 180, 210)` looks like.

```
.text, #text, p{  
    color:rgb(46, 180, 210)  
}
```

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, 180, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 180, 210) }
```

Border

The CSS property to change the border of an element to RGB 46, 180, 210 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, 180, 210) }
```

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

```
.border{ border-color:rgb(46, 180, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 180, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 180, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 180, 210);  
box-shadow:4px 4px 4px 4px rgb(46, 180,  
210) }
```

Background

The CSS property to change the background color of an element to RGB 46, 180, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 180, 210) }
```

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

```
.background{ background-color: rgb(46, 180,  
210) }
```

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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