

Converting Colors

RGB(80, 214, 242)

Have a look what the booklet for
RGB(80, 214, 242) contains.

RGB(80, 214, 242)	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(80, 214, 242)

Conversions

Conversions Part 1

Format	Color
Hex	50D6F2
RGB	80, 214, 242
RGB Percent	31%, 84%, 95%
CMY	0.6863, 0.1608, 0.0510
CMYK	0.67, 0.12, 0.00, 0.05
HSL	190°, 86%, 63%
HSV	190°, 67%, 95%
XYZ	43.3818, 56.2094, 92.5674
YIQ	177.1260, -88.8520, -19.7000

Conversions

Conversions Part 2

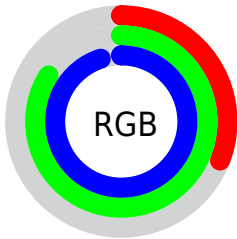
Format	Color
R _Y B	80, 153, 242
Decimal	5297906
CIE Lab	79.73, -27.67, -24.41
CIE LCh	80, 36.899, 221.414
Yxy	56.2094, 0.2258, 0.2925
Android (android.graphics.Color)	4283487986 (0xFF50D6F2)
YUV	177.1260, 31.9829, -85.1795
Hunter-Lab	74.9729, -27.9166, -20.7230

Details

The RGB color **80, 214, 242** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **242, 108, 80**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **146, 255, 255**, and **0, 159, 186** is the 20% darker color. If you saturate the color by 10%, you get **56, 210, 242**, and if you desaturate by 10%, it is **104, 218, 242**.

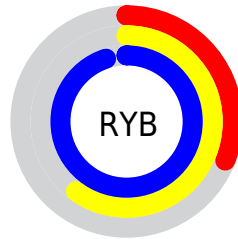
Distribution



Red (31%)

Green (84%)

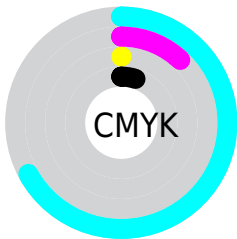
Blue (95%)



Red (31%)

Yellow (60%)

Blue (95%)

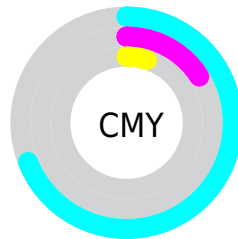


Cyan (67%)

Magenta (12%)

Yellow (0%)

Black (5%)



Cyan (69%)

















Magenta (16%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RGB color 80, 214, 242 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 80, 214, 242 by changing the saturation by 10% instead.

 80, 214, 242	 80, 214, 242
 255, 255, 255	 36, 186, 214
 146, 255, 255	 0, 159, 186
 177, 255, 255	 0, 133, 159
 208, 255, 255	 0, 107, 133
 239, 255, 255	 0, 82, 107
	 0, 59, 83
	 0, 37, 60
	 0, 3, 38
	 0, 1, 15

■ 80, 214, 242

■ 80, 214, 242

■ 56, 210, 242

■ 104, 218, 242

■ 32, 206, 242

■ 128, 222, 242

■ 7, 201, 242

■ 153, 227, 242

■ 0, 200, 242

■ 177, 231, 242

■ 201, 235, 242

■ 225, 239, 242

■ 249, 243, 242

■ 255, 247, 242

■ 255, 252, 242

Harmonies

Analogous

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



90, 216, 210



80, 214, 242



118, 207, 255

Triad

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



80, 214, 242



252, 174, 220



208, 200, 130

Complementary

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



80, 214, 242



242, 108, 80

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.



240, 188, 133



80, 214, 242



255, 172, 186

Square

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



80, 214, 242



219, 184, 249



255, 177, 154



170, 209, 145

Rectangle

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



80, 214, 242



153, 200, 255



255, 177, 154



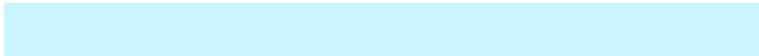
220, 196, 129

Sweetspot

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



80, 214, 242



204, 246, 255



80, 242, 107



97, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 214, 242



51, 220, 255



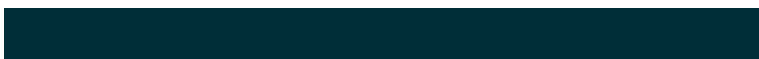
80, 134, 242



108, 118, 120



0, 152, 184



0, 46, 56

Inverse Universe

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



242, 80, 214



255, 51, 220



242, 188, 80



120, 108, 118



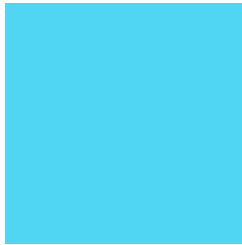
184, 0, 152



56, 0, 46

Previews

White Background



This preview shows how the RGB color 80, 214, 242 looks on a white background.

Color Contrast Check

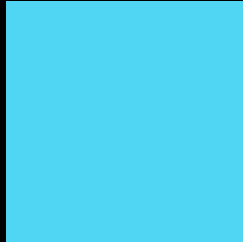
Large Text (above 18pt) WCAG AA × Fail

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 80, 214, 242 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 80, 214, 242 Background



This preview shows how black text looks on a background with the RGB color 80, 214, 242.

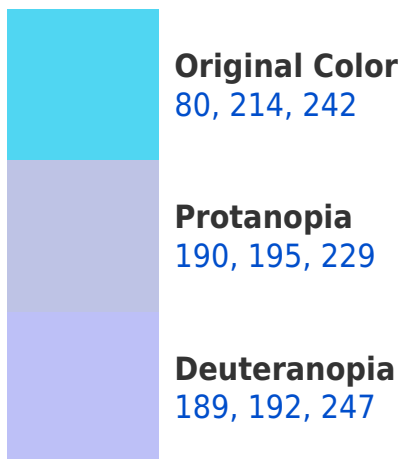


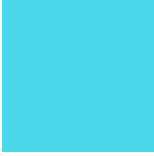
This preview shows how white text looks on a background with the RGB color 80, 214, 242.

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



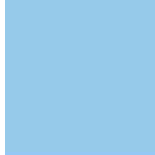


Tritanopia
75, 215, 233

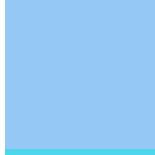
Trichromacy



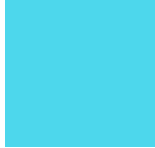
Original Color
80, 214, 242



Protanomaly
150, 202, 234



Deuteranomaly
149, 200, 245

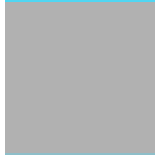


Tritanomaly
77, 215, 236

Monochromacy



Original Color
80, 214, 242



Achromatopsia
177, 177, 177



Achromatomaly
142, 190, 201

CSS Examples

Text

The CSS property to change the color of the text to RGB 80, 214, 242 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(80, 214, 242)` looks like.

```
.text, #text, p{  
    color:rgb(80, 214, 242)  
}
```

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(80, 214, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 214, 242) }
```

Border

The CSS property to change the border of an element to RGB 80, 214, 242 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(80, 214, 242) }
```

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

```
.border{ border-color:rgb(80, 214, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 214, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 214, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 214, 242);  
box-shadow:4px 4px 4px 4px rgb(80, 214,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 80, 214, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 214, 242) }
```

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

```
.background{ background-color: rgb(80, 214,  
242) }
```

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