

Converting Colors

RGB(70, 189, 233)

Have a look what the booklet for
RGB(70, 189, 233) contains.

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Color

RGB(70, 189, 233)

Conversions

Conversions Part 1

Format	Color
Hex	46BDE9
RGB	70, 189, 233
RGB Percent	27%, 74%, 91%
CMY	0.7255, 0.2588, 0.0863
CMYK	0.70, 0.19, 0.00, 0.09
HSL	196°, 79%, 59%
HSV	196°, 70%, 91%
XYZ	35.4314, 43.5805, 83.6352
YIQ	158.4350, -85.0480, -11.5440

Conversions

Conversions Part 2

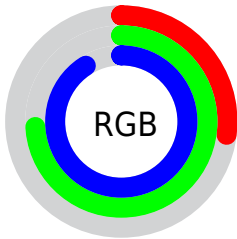
Format	Color
RYB	70, 139, 233
Decimal	4636137
CIELab	71.95, -19.23, -31.53
CIELCh	72, 36.934, 238.616
Yxy	43.5805, 0.2178, 0.2679
Android (android.graphics.Color)	4282826217 (0xFF46BDE9)
YUV	158.4350, 36.7605, -77.5575
Hunter-Lab	66.0155, -19.7239, -28.9038

Details

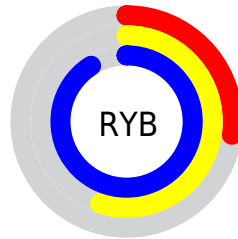
The RGB color **70, 189, 233** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **233, 114, 70**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **137, 245, 255**, and **0, 136, 177** is the 20% darker color. If you saturate the color by 10%, you get **47, 183, 233**, and if you desaturate by 10%, it is **93, 195, 233**.

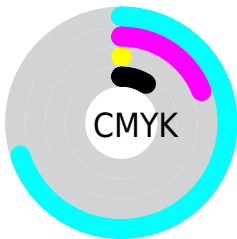
Distribution



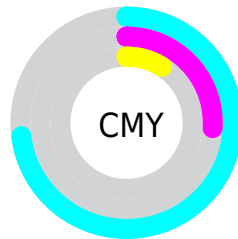
- Red (27%)
- Green (74%)
- Blue (91%)



- Red (27%)
- Yellow (55%)
- Blue (91%)



- Cyan (70%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)




- Cyan (73%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RGB color 70, 189, 233 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 70, 189, 233 by changing the saturation by 10% instead.

 70, 189, 233


255, 255, 255


 137, 245, 255

 167, 255, 255


 198, 255, 255

 229, 255, 255

 70, 189, 233

 19, 162, 205

 0, 136, 177

 0, 110, 150

 0, 86, 124

 0, 62, 99

 0, 40, 75

 0, 17, 52

 0, 2, 30

 0, 0, 1

■ 70, 189, 233

■ 70, 189, 233

■ 47, 183, 233

■ 93, 195, 233

■ 23, 176, 233

■ 117, 202, 233

■ 0, 170, 233

■ 140, 208, 233

■ 0, 170, 233

■ 163, 214, 233

■ 187, 220, 233

■ 210, 227, 233

■ 233, 233, 233

■ 255, 239, 233

■ 255, 246, 233

Harmonies

Analogous

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



46, 194, 207



70, 189, 233



126, 180, 243

Triad

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



70, 189, 233



239, 150, 179



165, 184, 116

Complementary

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



70, 189, 233



233, 114, 70

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.



200, 174, 109



70, 189, 233



242, 153, 146

Square

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



70, 189, 233



217, 157, 212



227, 162, 120



126, 191, 140

Rectangle

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



70, 189, 233



162, 172, 240



227, 162, 120



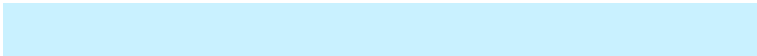
178, 181, 111

Sweetspot

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



70, 189, 233



201, 241, 255



70, 233, 113



96, 119, 128



0, 0, 0



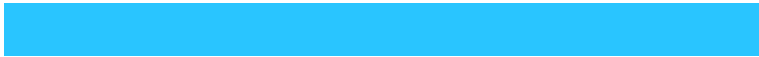
128, 128, 128

Same Dimension

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



70, 189, 233



41, 197, 255



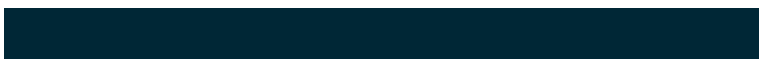
70, 108, 233



106, 114, 117



0, 132, 181



0, 39, 54

Inverse Universe

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



233, 70, 189



255, 41, 197



233, 195, 70



117, 106, 114



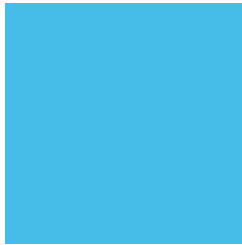
181, 0, 132



54, 0, 39

Previews

White Background



This preview shows how the RGB color 70, 189, 233 looks on a white background.

Color Contrast Check

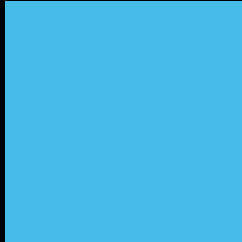
Large Text (above 18pt) WCAG AA × Fail

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 70, 189, 233 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 70, 189, 233 Background



This preview shows how black text looks on a background with the RGB color 70, 189, 233.

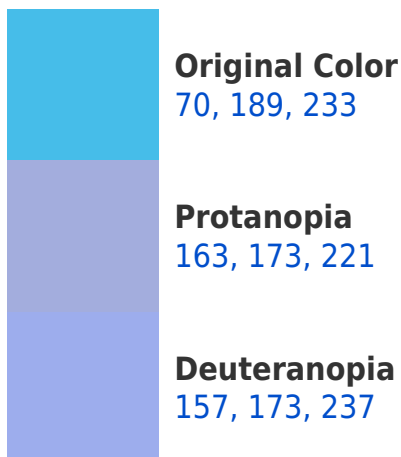


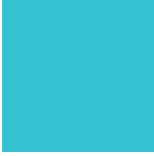
This preview shows how white text looks on a background with the RGB color 70, 189, 233.

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
54, 193, 209

Trichromacy



Original Color
70, 189, 233



Protanomaly
129, 179, 225



Deuteranomaly
125, 179, 236



Tritanomaly
60, 192, 218

Monochromacy



Original Color
70, 189, 233



Achromatopsia
158, 158, 158



Achromatomaly
126, 169, 185

CSS Examples

Text

The CSS property to change the color of the text to RGB 70, 189, 233 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(70, 189, 233)` looks like.

```
.text, #text, p{  
    color:rgb(70, 189, 233)  
}
```

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(70, 189, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 189, 233) }
```

Border

The CSS property to change the border of an element to RGB 70, 189, 233 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(70, 189, 233) }
```

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

```
.border{ border-color:rgb(70, 189, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 189, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 189, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 189, 233);  
box-shadow:4px 4px 4px 4px rgb(70, 189,  
233) }
```

Background

The CSS property to change the background color of an element to RGB 70, 189, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 189, 233) }
```

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

```
.background{ background-color: rgb(70, 189,  
233) }
```

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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