

Converting Colors

RGB(70, 166, 225)

Have a look what the booklet for
RGB(70, 166, 225) contains.

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Color

RGB(70, 166, 225)

Conversions

Conversions Part 1

Format	Color
Hex	46A6E1
RGB	70, 166, 225
RGB Percent	27%, 65%, 88%
CMY	0.7255, 0.3490, 0.1176
CMYK	0.69, 0.26, 0.00, 0.12
HSL	203°, 72%, 58%
HSV	203°, 69%, 88%
XYZ	29.7526, 34.0108, 76.2308
YIQ	144.0220, -76.1550, -2.0030

Conversions

Conversions Part 2

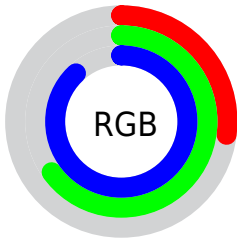
Format	Color
RYB	70, 129, 225
Decimal	4630241
CIELab	64.97, -9.52, -37.99
CIELCh	65, 39.160, 255.931
Yxy	34.0108, 0.2125, 0.2429
Android (android.graphics.Color)	4282820321 (0xFF46A6E1)
YUV	144.0220, 39.9222, -64.9173
Hunter-Lab	58.3188, -10.9921, -36.6772

Details

The RGB color **70, 166, 225** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **225, 129, 70**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **134, 221, 255**, and **0, 114, 169** is the 20% darker color. If you saturate the color by 10%, you get **48, 157, 225**, and if you desaturate by 10%, it is **93, 175, 225**.

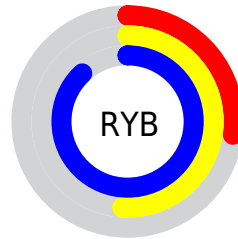
Distribution



Red (27%)

Green (65%)

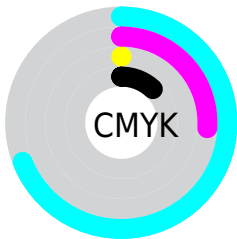
Blue (88%)



Red (27%)

Yellow (51%)

Blue (88%)

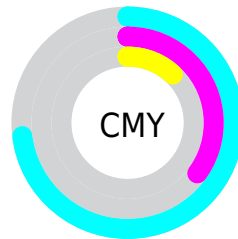


Cyan (69%)

Magenta (26%)

Yellow (0%)

Black (12%)



Cyan (73%)

















Magenta (35%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RGB color 70, 166, 225 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, 166, 225 by changing the saturation by 10% instead.

 70, 166, 225	 70, 166, 225
 255, 255, 255	 25, 140, 197
 134, 221, 255	 0, 114, 169
 165, 249, 255	 0, 90, 143
 195, 255, 255	 0, 67, 117
 225, 255, 255	 0, 45, 92
	 0, 25, 68
	 0, 3, 45
	 0, 1, 24
	 0, 0, 0

■ 70, 166, 225

■ 70, 166, 225

■ 48, 157, 225

■ 93, 175, 225

■ 25, 149, 225

■ 115, 183, 225

■ 3, 140, 225

■ 138, 192, 225

■ 0, 139, 225

■ 160, 200, 225

■ 183, 209, 225

■ 205, 217, 225

■ 227, 226, 225

■ 250, 235, 225

■ 255, 243, 225

Harmonies

Analogous

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



0, 173, 207



70, 166, 225



136, 155, 225

Triad

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



70, 166, 225



225, 130, 140



122, 170, 108

Complementary

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



70, 166, 225



225, 129, 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.



162, 161, 89



70, 166, 225



217, 138, 109

Square

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



70, 166, 225



215, 132, 176



194, 150, 90



74, 175, 139

Rectangle

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



70, 166, 225



170, 146, 214



194, 150, 90



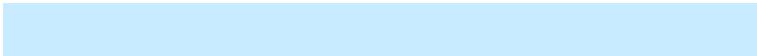
136, 168, 99

Sweetspot

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



70, 166, 225



201, 235, 255



70, 225, 127



96, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



70, 166, 225



43, 174, 255



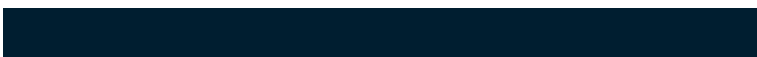
70, 91, 225



101, 108, 112



0, 109, 176



0, 30, 48

Inverse Universe

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



225, 70, 166



255, 43, 174



225, 204, 70



112, 101, 108



176, 0, 109



48, 0, 30

Previews

White Background



This preview shows how the RGB color 70, 166, 225 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, 166, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

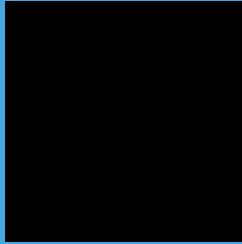
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

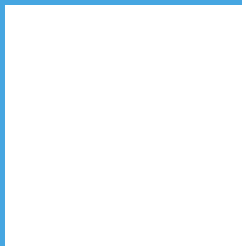
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 70, 166, 225 Background



This preview shows how black text looks on a background with the RGB color 70, 166, 225.

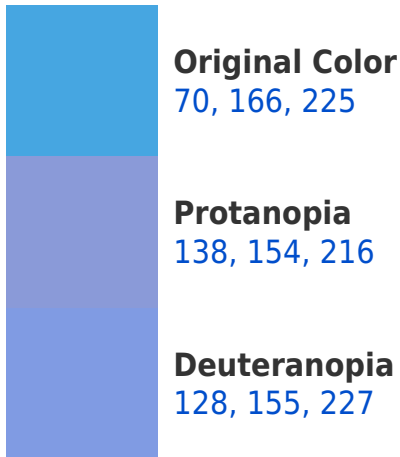


This preview shows how white text looks on a background with the RGB color 70, 166, 225.

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
44, 173, 187

Trichromacy



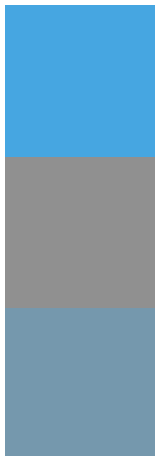
Original Color
70, 166, 225

Protanomaly
113, 158, 219

Deuteranomaly
107, 159, 226

Tritanomaly
53, 170, 201

Monochromacy



Original Color
70, 166, 225

Achromatopsia
144, 144, 144

Achromatomaly
117, 152, 173

CSS Examples

Text

The CSS property to change the color of the text to RGB 70, 166, 225 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, 166, 225) looks like.

```
.text, #text, p{  
    color:rgb(70, 166, 225)  
}
```

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, 166, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 166, 225) }
```

Border

The CSS property to change the border of an element to RGB 70, 166, 225 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, 166, 225) }
```

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

```
.border{ border-color:rgb(70, 166, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 166, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 166, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 166, 225);  
box-shadow:4px 4px 4px 4px rgb(70, 166,  
225) }
```

Background

The CSS property to change the background color of an element to RGB 70, 166, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 166, 225) }
```

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

```
.background{ background-color: rgb(70, 166,  
225) }
```

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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