

Converting Colors

RGB(66, 172, 221)

Have a look what the booklet for
RGB(66, 172, 221) contains.

RGB(66, 172, 221)	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(66, 172, 221)

Conversions

Conversions Part 1

Format	Color
Hex	42ACDD
RGB	66, 172, 221
RGB Percent	26%, 67%, 87%
CMY	0.7412, 0.3255, 0.1333
CMYK	0.70, 0.22, 0.00, 0.13
HSL	199°, 70%, 56%
HSV	199°, 70%, 87%
XYZ	30.0504, 35.8838, 73.7490
YIQ	145.8920, -78.9050, -7.2330

Conversions

Conversions Part 2

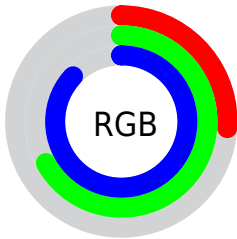
Format	Color
RYB	66, 129, 221
Decimal	4369629
CIELab	66.43, -14.68, -33.52
CIELCh	66, 36.595, 246.345
Yxy	35.8838, 0.2151, 0.2569
Android (android.graphics.Color)	4282559709 (0xFF42ACDD)
YUV	145.8920, 37.0282, -70.0653
Hunter-Lab	59.9031, -15.2856, -31.0622

Details

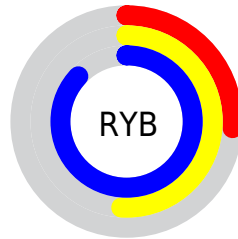
The RGB color **66, 172, 221** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **221, 115, 66**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **131, 227, 255**, and **0, 120, 166** is the 20% darker color. If you saturate the color by 10%, you get **44, 165, 221**, and if you desaturate by 10%, it is **88, 179, 221**.

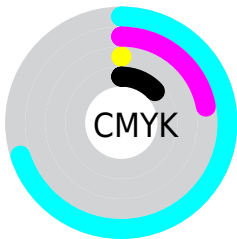
Distribution



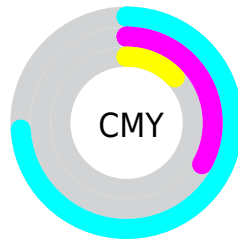
- Red (26%)
- Green (67%)
- Blue (87%)



- Red (26%)
- Yellow (51%)
- Blue (87%)



- Cyan (70%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)




















- Cyan (74%)
- Magenta (33%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RGB color 66, 172, 221 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 66, 172, 221 by changing the saturation by 10% instead.

 66, 172, 221	 66, 172, 221
 255, 255, 255	 16, 145, 193
 131, 227, 255	 0, 120, 166
 162, 255, 255	 0, 95, 139
 192, 255, 255	 0, 71, 113
 222, 255, 255	 0, 49, 89
 253, 255, 255	 0, 29, 65
	 0, 3, 43
	 0, 1, 21
	 0, 0, 0

■ 66, 172, 221

■ 66, 172, 221

■ 44, 165, 221

■ 88, 179, 221

■ 22, 158, 221

■ 110, 186, 221

■ 0, 151, 221

■ 132, 193, 221

■ 154, 200, 221

■ 177, 207, 221

■ 199, 214, 221

■ 221, 221, 221

■ 243, 228, 221

■ 255, 235, 221

Harmonies

Analogous

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



8, 178, 199



66, 172, 221



125, 162, 227

Triad

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



66, 172, 221



225, 136, 156



141, 171, 107

Complementary

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



66, 172, 221



221, 115, 66

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.



176, 162, 95



66, 172, 221



222, 140, 124

Square

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



66, 172, 221



209, 140, 189



205, 150, 102



101, 177, 134

Rectangle

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



66, 172, 221



159, 155, 220



205, 150, 102



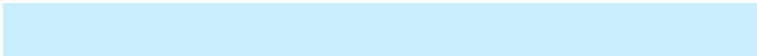
153, 168, 101

Sweetspot

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



66, 172, 221



201, 238, 255



66, 221, 113



96, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



66, 172, 221



41, 187, 255



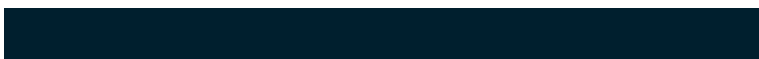
66, 97, 221



99, 106, 110



0, 119, 173



0, 31, 46

Inverse Universe

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



221, 66, 172



255, 41, 187



221, 190, 66



110, 99, 106



173, 0, 119



46, 0, 31

Previews

White Background



This preview shows how the RGB color 66, 172, 221 looks on a white background.

Color Contrast Check

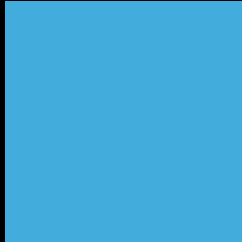
Large Text (above 18pt) WCAG AA × Fail

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 66, 172, 221 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

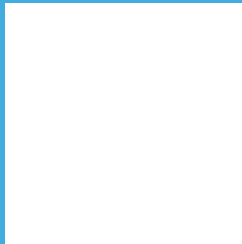
Any Text WCAG AAA ✓ Pass

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

RGB 66, 172, 221 Background



This preview shows how black text looks on a background with the RGB color 66, 172, 221.

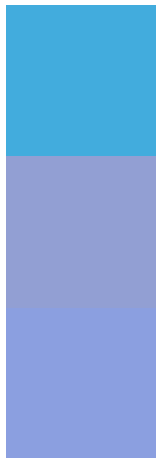


This preview shows how white text looks on a background with the RGB color 66, 172, 221.

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



Original Color
66, 172, 221

Protanopia
146, 159, 211

Deuteranopia
139, 159, 224



Tritanopia
45, 177, 192

Trichromacy



Original Color
66, 172, 221



Protanomaly
117, 164, 215



Deuteranomaly
112, 164, 223



Tritanomaly
53, 175, 203

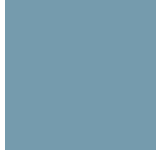
Monochromacy



Original Color
66, 172, 221



Achromatopsia
146, 146, 146



Achromatomaly
117, 155, 173

CSS Examples

Text

The CSS property to change the color of the text to RGB 66, 172, 221 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(66, 172, 221)` looks like.

```
.text, #text, p{  
    color:rgb(66, 172, 221)  
}
```

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(66, 172, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 172, 221) }
```

Border

The CSS property to change the border of an element to RGB 66, 172, 221 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(66, 172, 221) }
```

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

```
.border{ border-color:rgb(66, 172, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 172, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 172, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 172, 221);  
box-shadow:4px 4px 4px 4px rgb(66, 172,  
221) }
```

Background

The CSS property to change the background color of an element to RGB 66, 172, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 172, 221) }
```

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

```
.background{ background-color: rgb(66, 172,  
221) }
```

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