

Converting Colors

XYZ(57.7809, 66.2671, 90.6931)

Have a look what the booklet for
XYZ(57.7809, 66.2671, 90.6931)
contains.

XYZ(57.8666, 66.4320, 90.6617)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.8666, 66.4320,
90.6617)**

Conversions

Conversions Part 1

Format	Color
Hex	AADDEE
RGB	170, 221, 238
RGB Percent	67%, 87%, 93%
CMY	0.3333, 0.1333, 0.0667
CMYK	0.29, 0.07, 0.00, 0.07
HSL	195°, 67%, 80%
HSV	195°, 29%, 93%
XYZ	57.8666, 66.4320, 90.6617
YIQ	207.6890, -35.8530, -5.5250

Conversions

Conversions Part 2

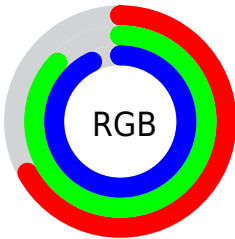
Format	Color
R _Y B	170, 199, 238
Decimal	11197934
CIE Lab	85.22, -12.50, -13.65
CIE LCh	85, 18.508, 227.498
Yxy	66.4320, 0.2692, 0.3090
Android (android.graphics.Color)	4289388014 (0xFFFAADDEE)
YUV	207.6890, 14.9433, -33.0533
Hunter-Lab	81.5058, -15.9058, -8.8962

Details

The XYZ color **57.8666, 66.4320, 90.6617** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.2867, 56.6205, 45.7831**, and the grayscale version is **59.6775, 62.7853, 68.3732**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **29.2822, 34.3628, 49.3453** is the 20% darker color. If you saturate the color by 10%, you get **51.6374, 60.9317, 89.9295**, and if you desaturate by 10%, it is **65.0868, 72.5291, 91.4591**.

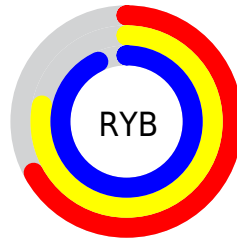
Distribution



Red (67%)

Green (87%)

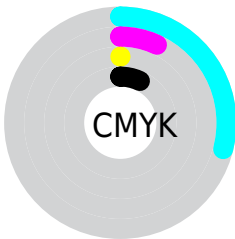
Blue (93%)



Red (67%)

Yellow (78%)

Blue (93%)

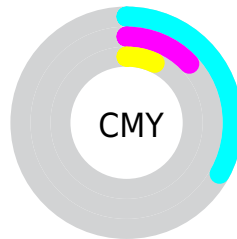


Cyan (29%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8666, 66.4320, 90.6617 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 XYZ color 57.8666, 66.4320, 90.6617 by changing the saturation by 10% instead.

■ 57.8666, 66.4320,
90.6617

■ 57.8666, 66.4320,
90.6617

406.6506,
447.9203, 550.8065

■ 41.9443, 48.6232,
67.9528

■ 100.8527,
114.1061, 150.2007

■ 29.2486, 34.3207,
49.3929

128.6471,
144.7403, 187.8679

■ 19.4142, 23.1400,
34.5634

161.1296,
180.4182, 231.3583

■ 12.0757, 14.6969,
23.0459

198.6655,
221.5245, 281.0903

■ 6.8678, 8.6070,
14.4218

241.6202,
268.4435, 337.4827

■ 3.4252, 4.4857,
8.2725

290.3590,

■ 1.3824, 1.9488,

321.5595, 400.9538

4.1796

345.2474,
381.2569, 471.9222

■ 0.2436, 0.5775,
1.7244

■ 0.0000, 0.0000,
0.3773

■ 57.8666, 66.4320,
90.6617

■ 57.8666, 66.4320,
90.6617

■ 51.6374, 60.9317,
89.9295

■ 65.0868, 72.5291,
91.4591

■ 46.3425, 55.9931,
89.2553

■ 73.3391, 79.2402,
92.3196

■ 41.9281, 51.5894,
88.6380

■ 82.6695, 86.5912,
93.2467

■ 38.3324, 47.6878,
88.0744

■ 89.2651, 92.6176,
94.0623

■ 35.4854, 44.2514,
87.5611

■ 91.0920, 96.2715,
94.6713

■ 33.3039, 41.2363,
87.0942

■ 92.4328, 98.9531,
95.1182

■ 31.6678, 38.5798,
86.6676

■ 31.4548, 38.2171,
86.6088

Harmonies

Analogous

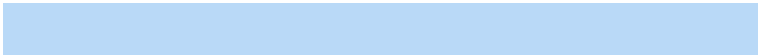
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.7835, 66.4320, 79.4759



57.8666, 66.4320, 90.6617



61.4180, 66.4320, 97.2083

Triad

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



57.8666, 66.4320, 90.6617



71.3164, 66.4320, 77.4303



60.7561, 66.4320, 52.5293

Complementary

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



57.8666, 66.4320, 90.6617



60.2867, 56.6205, 45.7831

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.



64.8972, 66.4320, 52.1108



57.8666, 66.4320, 90.6617



71.1199, 66.4320, 65.6317

Square

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



57.8666, 66.4320, 90.6617



69.2533, 66.4320, 89.0225



68.7279, 66.4320, 56.6580



57.4005, 66.4320, 57.8720

Rectangle

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



57.8666, 66.4320, 90.6617



64.1961, 66.4320, 97.6338



68.7279, 66.4320, 56.6580



62.0988, 66.4320, 51.8310

Sweetspot

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



57.8686, 66.4347, 90.6632



85.3021, 92.2984, 107.9272



56.0022, 73.2359, 57.5658



17.9417, 19.5015, 23.0685



0.0000, 0.0000, 0.0000



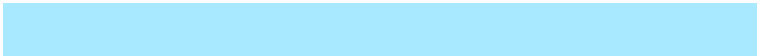
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8686, 66.4347, 90.6632



63.4943, 74.0416, 105.5527



50.0233, 50.7440, 88.0481



15.8933, 17.2207, 20.2079



17.6563, 21.5368, 48.3543



1.5470, 1.9479, 4.0487

Inverse Universe

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



62.6874, 52.1486, 75.1713



70.0530, 55.2781, 84.3143



68.0751, 72.1972, 48.3792



16.2756, 15.9599, 19.0075



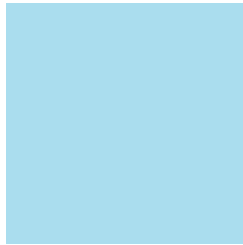
24.2377, 11.9675, 24.9660



2.0558, 1.0114, 2.2846

Previews

White Background



This preview shows how the XYZ color 57.8666, 66.4320, 90.6617 looks on a white background.

Color Contrast Check

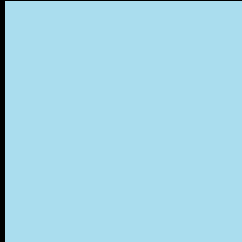
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 57.8666, 66.4320, 90.6617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

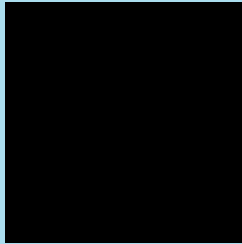
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.8666, 66.4320, 90.6617

Background



This preview shows how black text looks on a background with the XYZ color 57.8666, 66.4320, 90.6617.

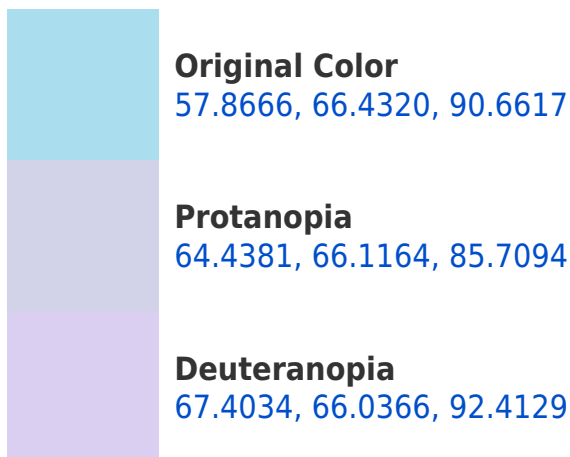


This preview shows how white text looks on a background with the XYZ color 57.8666, 66.4320,

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

58.0140, 66.4909, 91.4377

Trichromacy



Original Color

57.8666, 66.4320, 90.6617

Protanomaly

61.6574, 66.1435, 87.3592

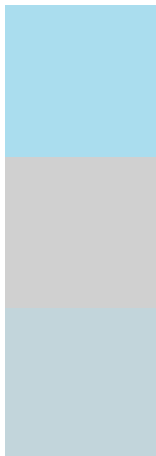
Deuteranomaly

63.3591, 65.7957, 91.7985

Tritanomaly

58.0140, 66.4909, 91.4377

Monochromacy



Original Color

57.8666, 66.4320, 90.6617

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.8286, 64.1723, 76.3037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8666, 66.4320, 90.6617 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(170, 221, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 221, 238)  
}
```

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(170, 221, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 221, 238) }
```

Border

The CSS property to change the border of an element to XYZ 57.8666, 66.4320, 90.6617 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(170, 221, 238) }
```


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

```
.border{ border-color:rgb(170, 221, 238) }
```

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

Here you see how a box with a 4 pixel rgb(170, 221, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 221, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 221, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 221,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8666, 66.4320, 90.6617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 221, 238) }
```

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

```
.background{ background-color: rgb(170,  
221, 238) }
```

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