

Converting Colors

XYZ(29.6382, 35.1824, 65.6153)

Have a look what the booklet for
XYZ(29.6382, 35.1824, 65.6153)
contains.

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Color

**XYZ(29.7211, 35.3313,
65.5748)**

Conversions

Conversions Part 1

Format	Color
Hex	56AAD1
RGB	86, 170, 209
RGB Percent	34%, 67%, 82%
CMY	0.6627, 0.3333, 0.1804
CMYK	0.59, 0.19, 0.00, 0.18
HSL	199°, 57%, 58%
HSV	199°, 59%, 82%
XYZ	29.7211, 35.3313, 65.5748
YIQ	149.3300, -62.5830, -5.6790

Conversions

Conversions Part 2

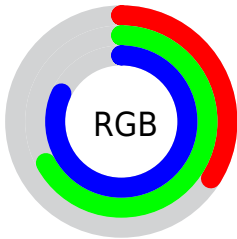
Format	Color
R _Y B	86, 136, 209
Decimal	5679825
CIE Lab	66.01, -14.10, -27.51
CIE LCh	66, 30.911, 242.863
Yxy	35.3313, 0.2275, 0.2705
Android (android.graphics.Color)	4283869905 (0xFF56AAD1)
YUV	149.3300, 29.4173, -55.5404
Hunter-Lab	59.4401, -14.7671, -23.8011

Details

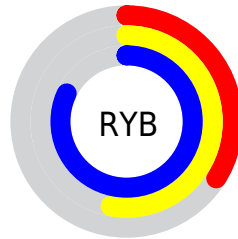
The XYZ color **29.7211, 35.3313, 65.5748** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **35.3090, 28.8960, 12.5219**, and the grayscale version is **28.6060, 30.0957, 32.7743**.

A 20% lighter version of the original color is **56.6523, 67.0902, 104.5715**, and **12.3237, 15.2964, 32.8748** is the 20% darker color. If you saturate the color by 10%, you get **26.8597, 32.0589, 65.0946**, and if you desaturate by 10%, it is **33.2100, 39.0216, 66.1039**.

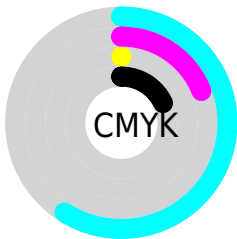
Distribution



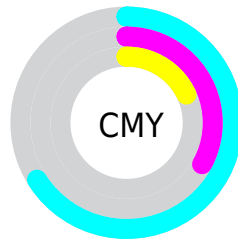
- Red (34%)
- Green (67%)
- Blue (82%)



- Red (34%)
- Yellow (53%)
- Blue (82%)



- Cyan (59%)
- Magenta (19%)
- Yellow (0%)
- Black (18%)



- Cyan (66%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7211, 35.3313, 65.5748 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 29.7211, 35.3313, 65.5748 by changing the saturation by 10% instead.

■ 29.7211, 35.3313,
65.5748

■ 29.7211, 35.3313,
65.5748

292.5355,
326.0283, 463.2173

■ 19.7740, 23.9182,
47.4730

■ 58.6105, 67.9987,
114.4970

■ 12.3382, 15.2729,
33.0527

■ 78.2835, 90.0218,
146.1545

■ 7.0483, 9.0112,
21.8954

■ 101.9292,
116.3503, 183.1677

■ 3.5389, 4.7485,
13.5825

■ 129.9130,
147.3686, 225.9551

■ 1.4447, 2.1004,
7.6954

162.6001,
183.4612, 274.9352

■ 0.2878, 0.6649,
3.8157

200.3560,

■ 0.0000, 0.0000,

225.0124, 330.5266

1.5248

243.5460,
272.4066, 393.1478

■ 0.0000, 0.0000,
0.2363

■ 0.0000, 0.0000,
0.0000

■ 29.7211, 35.3313,
65.5748

■ 29.7211, 35.3313,
65.5748

■ 26.8597, 32.0589,
65.0946

■ 33.2100, 39.0216,
66.1039

■ 24.5708, 29.1725,
64.6582

■ 37.3682, 43.1505,
66.6817

■ 22.7949, 26.6408,
64.2631

■ 42.2379, 47.7418,
67.3112

■ 21.4358, 24.4128,
63.9047

■ 47.8566, 52.8162,
67.9945

■ 21.2910, 24.1680,
63.8650

■ 54.2591, 58.3927,
68.7335

■ 61.4779, 64.4893,
69.5298

■ 69.5434, 71.1230,
70.3851

■ 78.4847, 78.3100,
71.3011

■ 80.9468, 82.2596,
71.9337

Harmonies

Analogous

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



26.7115, 35.3313, 53.8491



29.7211, 35.3313, 65.5748



34.0233, 35.3313, 69.5718

Triad

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



29.7211, 35.3313, 65.5748



43.1711, 35.3313, 37.2234



29.0241, 35.3313, 20.9302

Complementary

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



29.7211, 35.3313, 65.5748



35.3090, 28.8960, 12.5219

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.



33.1433, 35.3313, 18.3722



29.7211, 35.3313, 65.5748



41.5383, 35.3313, 26.3387

Square

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



29.7211, 35.3313, 65.5748



42.0474, 35.3313, 51.1639



37.7621, 35.3313, 20.1015



26.3356, 35.3313, 28.0709

Rectangle

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



29.7211, 35.3313, 65.5748



37.1218, 35.3313, 66.7162



37.7621, 35.3313, 20.1015



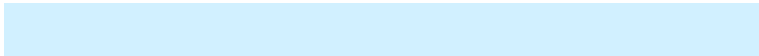
30.2735, 35.3313, 19.5900

Sweetspot

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



29.7223, 35.3326, 65.5757



75.6644, 83.3731, 106.7124



30.3379, 49.0597, 27.2574



15.6084, 17.3235, 22.7711



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.



29.7223, 35.3326, 65.5757



40.9714, 48.8764, 101.8824



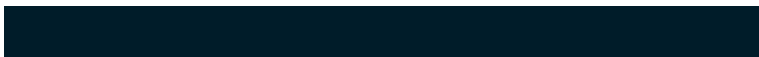
20.7684, 17.4249, 62.5910



11.8291, 12.7485, 15.0809



13.2193, 15.0852, 39.4075



0.8088, 0.9827, 2.2266

Inverse Universe

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



36.8790, 23.1144, 40.5492



53.8316, 30.2094, 56.1742



45.6291, 49.5361, 15.9620



12.1446, 11.9426, 14.0374



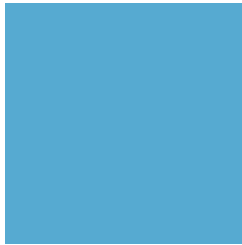
19.3032, 9.5941, 17.0348



1.1145, 0.5505, 1.1376

Previews

White Background



This preview shows how the XYZ color 29.7211, 35.3313, 65.5748 looks on a white background.

Color Contrast Check

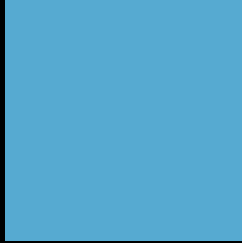
Large Text (above 18pt) WCAG AA × Fail

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 29.7211, 35.3313, 65.5748 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 29.7211, 35.3313, 65.5748

Background



This preview shows how black text looks on a background with the XYZ color 29.7211, 35.3313, 65.5748.



This preview shows how white text looks on a background with the XYZ color 29.7211, 35.3313,

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

29.7211, 35.3313, 65.5748

Protanopia

35.0466, 35.0134, 59.5547

Deuteranopia

35.7947, 34.9784, 67.1523



Tritanopia

27.2737, 35.4807, 52.9879

Trichromacy



Original Color

29.7211, 35.3313, 65.5748

Protanomaly

32.3040, 34.5881, 61.4735

Deuteranomaly

32.9904, 34.8289, 66.6119

Tritanomaly

28.2156, 35.5781, 57.6047

Monochromacy



Original Color

29.7211, 35.3313, 65.5748

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.0118, 31.4898, 43.1298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7211, 35.3313, 65.5748 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(86, 170, 209)` looks like.

```
.text, #text, p{  
    color:rgb(86, 170, 209)  
}
```

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(86, 170, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 170, 209) }
```

Border

The CSS property to change the border of an element to XYZ 29.7211, 35.3313, 65.5748 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(86, 170, 209) }
```


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

```
.border{ border-color:rgb(86, 170, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 170, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 170, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 170, 209);  
box-shadow:4px 4px 4px 4px rgb(86, 170,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7211, 35.3313, 65.5748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 170, 209) }
```

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

```
.background{ background-color: rgb(86, 170,  
209) }
```

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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