

Converting Colors

XYZ(31.8194, 35.2479, 65.5130)

Have a look what the booklet for
XYZ(31.8194, 35.2479, 65.5130)
contains.

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Color

**XYZ(31.8269, 35.3206,
65.4617)**

Conversions

Conversions Part 1

Format	Color
Hex	70A6D1
RGB	112, 166, 209
RGB Percent	44%, 65%, 82%
CMY	0.5608, 0.3490, 0.1804
CMYK	0.46, 0.21, 0.00, 0.18
HSL	207°, 51%, 63%
HSV	207°, 46%, 82%
XYZ	31.8269, 35.3206, 65.4617
YIQ	154.7560, -45.9870, 1.9250

Conversions

Conversions Part 2

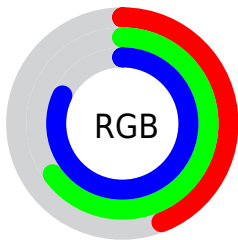
Format	Color
RYB	112, 147, 209
Decimal	7382737
CIELab	66.00, -6.23, -27.42
CIELCh	66, 28.124, 257.201
Yxy	35.3206, 0.2400, 0.2664
Android (android.graphics.Color)	4285572817 (0xFF70A6D1)
YUV	154.7560, 26.7423, -37.4970
Hunter-Lab	59.4311, -8.4132, -23.7044

Details

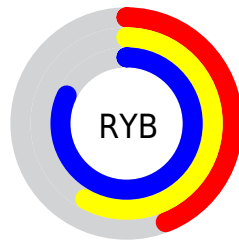
The XYZ color **31.8269, 35.3206, 65.4617** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.9414, 38.1689, 20.5399**, and the grayscale version is **30.9491, 32.5609, 35.4588**.

A 20% lighter version of the original color is **60.0549, 67.2577, 104.4246**, and **13.4809, 15.2085, 32.7969** is the 20% darker color. If you saturate the color by 10%, you get **27.8460, 30.8582, 64.8108**, and if you desaturate by 10%, it is **36.5486, 40.3465, 66.1836**.

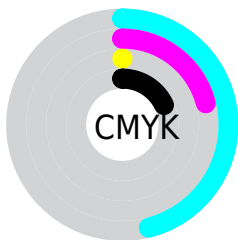
Distribution



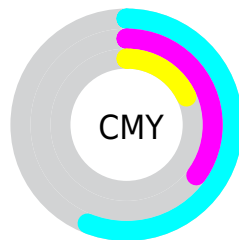
- Red (44%)
- Green (65%)
- Blue (82%)



- Red (44%)
- Yellow (58%)
- Blue (82%)



- Cyan (46%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)



- Cyan (56%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8269, 35.3206, 65.4617 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 31.8269, 35.3206, 65.4617 by changing the saturation by 10% instead.

■ 31.8269, 35.3206,
65.4617

■ 31.8269, 35.3206,
65.4617

302.0893,
325.9812, 462.8008

■ 21.3842, 23.9099,
47.3818

■ 61.9067, 67.9821,
114.3330

■ 13.5192, 15.2668,
32.9811

■ 82.2744, 90.0018,
145.9615

■ 7.8665, 9.0069,
21.8410

■ 106.6813,
116.3266, 182.9433

■ 4.0607, 4.7457,
13.5429

135.4926,
147.3409, 225.6970

■ 1.7365, 2.0988,
7.6683

169.0737,
183.4291, 274.6410

■ 0.4790, 0.6640,
3.7988

207.7899,

■ 0.0000, 0.0000,

224.9756, 330.1940

1.5156

252.0067,
272.3649, 392.7744

■ 0.0000, 0.0000,
0.2295

■ 0.0000, 0.0000,
0.0000

■ 31.8269, 35.3206,
65.4617

■ 31.8269, 35.3206,
65.4617

■ 27.8460, 30.8582,
64.8108

■ 36.5486, 40.3465,
66.1836

■ 24.5567, 26.9280,
64.2256

■ 42.0493, 45.9570,
66.9766

■ 21.9084, 23.5007,
63.7036

■ 48.3684, 52.1768,
67.8441

■ 19.8415, 20.5416,
63.2414

■ 55.5416, 59.0277,
68.7884

■ 18.2805, 18.0075,
62.8346

■ 63.6024, 66.5302,
69.8117

■ 17.7948, 17.1755,
62.6996

■ 72.5822, 74.7040,
70.9161

■ 81.2847, 82.9354,
72.0462

■ 83.9448, 88.2556,
72.9329

■ 86.7442, 93.8544,
73.8661

Harmonies

Analogous

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



28.4153, 35.3206, 57.8762



31.8269, 35.3206, 65.4617



35.9973, 35.3206, 64.8135

Triad

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



31.8269, 35.3206, 65.4617



41.8234, 35.3206, 32.0624



28.0276, 35.3206, 24.8769

Complementary

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



31.8269, 35.3206, 65.4617



40.9414, 38.1689, 20.5399

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.



31.2566, 35.3206, 20.4357



31.8269, 35.3206, 65.4617



39.3158, 35.3206, 23.9562

Square

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



31.8269, 35.3206, 65.4617



42.0081, 35.3206, 43.7701



35.3780, 35.3206, 20.1379



26.3470, 35.3206, 33.5943

Rectangle

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



31.8269, 35.3206, 65.4617



38.6534, 35.3206, 59.7892



35.3780, 35.3206, 20.1379



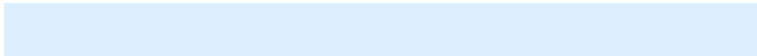
28.9552, 35.3206, 22.9205

Sweetspot

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



31.8281, 35.3219, 65.4625



78.2713, 84.1618, 106.7272



35.3191, 51.3807, 38.6436



16.2522, 17.5302, 22.7770



0.0000, 0.0000, 0.0000



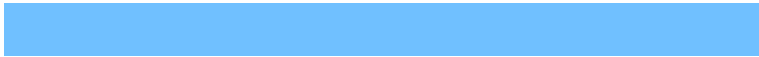
20.3446, 21.4041, 23.3091

Same Dimension

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



31.8281, 35.3219, 65.4625



43.5408, 48.2444, 101.6250



24.7254, 21.1165, 63.0950



11.7016, 12.4935, 15.0384



11.0714, 10.7893, 38.6915



0.6975, 0.7602, 2.1895

Inverse Universe

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



38.9726, 27.8980, 39.4084



56.5372, 36.6849, 53.7946



50.4658, 57.2178, 23.7147



12.0803, 11.9169, 13.6986



18.2190, 9.1605, 11.3255



1.0583, 0.5280, 0.8418

Previews

White Background



This preview shows how the XYZ color 31.8269, 35.3206, 65.4617 looks on a white background.

Color Contrast Check

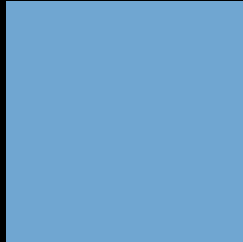
Large Text (above 18pt) WCAG AA × Fail

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 31.8269, 35.3206, 65.4617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

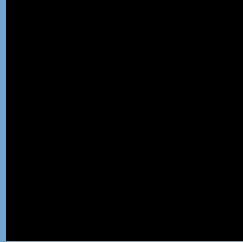
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8269, 35.3206, 65.4617

Background



This preview shows how black text looks on a background with the XYZ color 31.8269, 35.3206, 65.4617.

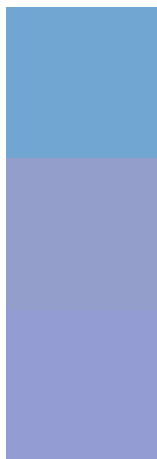


This preview shows how white text looks on a background with the XYZ color 31.8269, 35.3206,

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

31.8269, 35.3206, 65.4617

Protanopia

35.2191, 35.0614, 61.4112

Deuteranopia

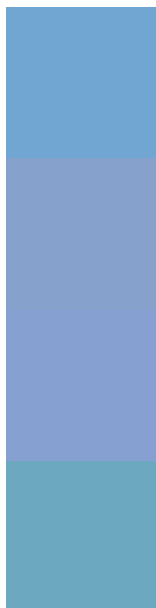
35.8475, 35.0201, 66.4982



Tritanopia

28.8522, 35.2134, 50.6236

Trichromacy



Original Color

31.8269, 35.3206, 65.4617

Protanomaly

33.7560, 35.0484, 62.7435

Deuteranomaly

34.0352, 34.8631, 65.9082

Tritanomaly

29.9979, 35.4143, 55.7067

Monochromacy



Original Color

31.8269, 35.3206, 65.4617

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.7835, 33.3804, 45.3780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8269, 35.3206, 65.4617 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(112, 166, 209)` looks like.

```
.text, #text, p{  
    color:rgb(112, 166, 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(112, 166, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 166, 209) }
```

Border

The CSS property to change the border of an element to XYZ 31.8269, 35.3206, 65.4617 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(112, 166, 209) }
```


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

```
.border{ border-color:rgb(112, 166, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 166, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 166, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 166, 209);  
box-shadow:4px 4px 4px 4px rgb(112, 166,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8269, 35.3206, 65.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 166, 209) }
```

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

```
.background{ background-color: rgb(112,  
166, 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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