

Converting Colors

XYZ(31.6308, 34.3625, 56.8474)

Have a look what the booklet for
XYZ(31.6308, 34.3625, 56.8474)
contains.

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Color

**XYZ(31.5231, 34.2928,
56.5875)**

Conversions

Conversions Part 1

Format	Color
Hex	7FA2C3
RGB	127, 162, 195
RGB Percent	50%, 64%, 76%
CMY	0.5019, 0.3647, 0.2353
CMYK	0.35, 0.17, 0.00, 0.24
HSL	209°, 36%, 63%
HSV	209°, 35%, 76%
XYZ	31.5231, 34.2928, 56.5875
YIQ	155.2970, -31.4530, 2.8430

Conversions

Conversions Part 2

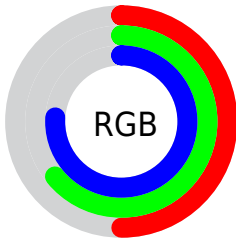
Format	Color
RYB	127, 150, 195
Decimal	8364739
CIELab	65.19, -3.88, -20.81
CIELCh	65, 21.167, 259.447
Yxy	34.2928, 0.2575, 0.2802
Android (android.graphics.Color)	4286554819 (0xFF7FA2C3)
YUV	155.2970, 19.5736, -24.8165
Hunter-Lab	58.5601, -6.3929, -16.3008

Details

The XYZ color **31.5231, 34.2928, 56.5875** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.9080, 38.2768, 25.4174**, and the grayscale version is **31.2141, 32.8397, 35.7624**.

A 20% lighter version of the original color is **61.4396, 66.4777, 101.6887**, and **13.3938, 14.7878, 27.3477** is the 20% darker color. If you saturate the color by 10%, you get **27.2906, 29.7294, 55.9303**, and if you desaturate by 10%, it is **36.4453, 39.3996, 57.3144**.

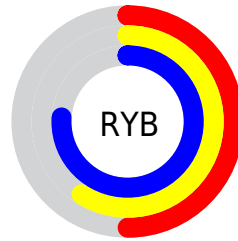
Distribution



Red (50%)

Green (64%)

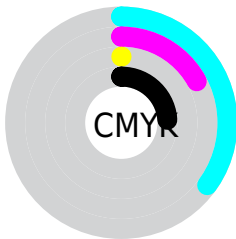
Blue (76%)



Red (50%)

Yellow (59%)

Blue (76%)

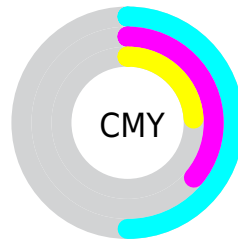


Cyan (35%)

Magenta (17%)

Yellow (0%)

Black (24%)



Cyan (50%)

Magenta (36%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5231, 34.2928, 56.5875 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 31.5231, 34.2928, 56.5875 by changing the saturation by 10% instead.

■ 31.5231, 34.2928,
56.5875

■ 31.5231, 34.2928,
56.5875

300.7251,
321.4357, 429.3522

■ 21.1513, 23.1186,
40.2670

■ 61.4330, 66.3887,
101.3574

■ 13.3477, 14.6811,
27.4314

■ 81.7017, 88.0793,
130.6439

■ 7.7471, 8.5959,
17.6622

■ 106.0002,
114.0441, 165.0894

■ 3.9840, 4.4786,
10.5408

134.6936,
144.6675, 205.1126

■ 1.6931, 1.9447,
5.6487

168.1475,
180.3340, 251.1319

■ 0.4519, 0.5750,
2.5674

206.7271,

■ 0.0000, 0.0000,

221.4280, 303.5659

0.8755

250.7979,
268.3337, 362.8332

■ 0.0000, 0.0000,
0.0000

■ 31.5231, 34.2928,
56.5875

■ 31.5231, 34.2928,
56.5875

■ 27.2906, 29.7294,
55.9303

■ 36.4453, 39.3996,
57.3144

■ 23.7092, 25.6830,
55.3381

■ 42.0866, 45.0665,
58.1109

■ 20.7414, 22.1308,
54.8089

■ 48.4783, 51.3143,
58.9799

■ 18.3437, 19.0463,
54.3398

■ 55.6491, 58.1614,
59.9236

■ 16.4666, 16.3991,
53.9278

■ 63.6260, 65.6254,
60.9439

■ 15.0501, 14.1536,
53.5691

■ 72.4346, 73.7231,
62.0426

■ 14.4432, 13.1257,
53.4026

■ 78.9012, 80.8217,
63.0720

■ 81.5799, 86.1792,
63.9649

■ 84.4035, 91.8262,
64.9061

Harmonies

Analogous

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



28.8985, 34.2928, 51.7431



31.5231, 34.2928, 56.5875



34.6032, 34.2928, 55.6953

Triad

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



31.5231, 34.2928, 56.5875



38.4950, 34.2928, 31.9792



28.3041, 34.2928, 27.3743

Complementary

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



31.5231, 34.2928, 56.5875



38.9080, 38.2768, 25.4174

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.



30.6647, 34.2928, 23.5369



31.5231, 34.2928, 56.5875



36.5925, 34.2928, 25.8919

Square

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



31.5231, 34.2928, 56.5875



38.7608, 34.2928, 40.5277



33.6895, 34.2928, 23.0407



27.1191, 34.2928, 34.3221

Rectangle

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



31.5231, 34.2928, 56.5875



36.4981, 34.2928, 52.0048



33.6895, 34.2928, 23.0407



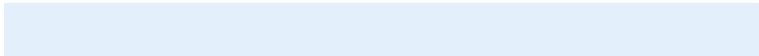
28.9793, 34.2928, 25.7275

Sweetspot

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



31.5242, 34.2941, 56.5883



80.6041, 85.8585, 104.7938



34.6020, 46.0765, 40.2676



17.2965, 18.4543, 22.9004



0.0000, 0.0000, 0.0000



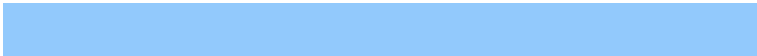
20.3446, 21.4041, 23.3091

Same Dimension

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



31.5242, 34.2941, 56.5883



50.4568, 54.9778, 100.4222



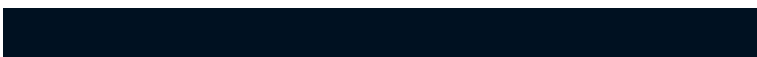
26.3404, 23.9265, 54.8604



9.9474, 10.5861, 12.8039



9.4717, 8.6999, 34.7367



0.4780, 0.5135, 1.5238

Inverse Universe

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



36.6176, 29.3906, 37.9267



61.1941, 45.6842, 60.8484



45.5993, 51.6594, 27.6478



10.2848, 10.1625, 11.5901



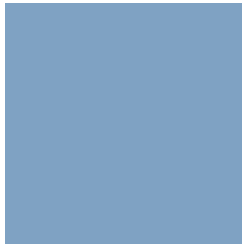
16.1768, 8.1605, 8.8433



0.7337, 0.3665, 0.5650

Previews

White Background



This preview shows how the XYZ color 31.5231, 34.2928, 56.5875 looks on a white background.

Color Contrast Check

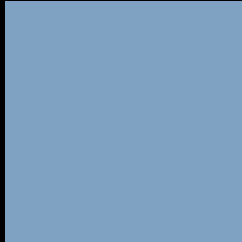
Large Text (above 18pt) WCAG AA × Fail

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 31.5231, 34.2928, 56.5875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

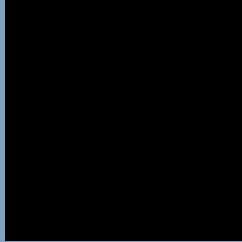
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

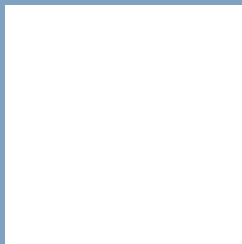
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5231, 34.2928, 56.5875

Background



This preview shows how black text looks on a background with the XYZ color 31.5231, 34.2928, 56.5875.

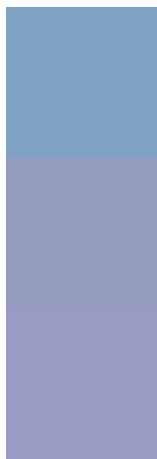


This preview shows how white text looks on a background with the XYZ color 31.5231, 34.2928,

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

31.5231, 34.2928, 56.5875

Protanopia

33.8701, 34.0226, 54.0721

Deuteranopia

34.9363, 34.2462, 57.5922



Tritanopia

29.6594, 34.3356, 47.1837

Trichromacy



Original Color

31.5231, 34.2928, 56.5875

Protanomaly

32.8966, 34.0103, 54.7000

Deuteranomaly

33.6923, 34.3685, 57.0826

Tritanomaly

30.2394, 34.2967, 50.3735

Monochromacy



Original Color

31.5231, 34.2928, 56.5875

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1596, 33.3757, 42.8301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5231, 34.2928, 56.5875 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(127, 162, 195)` looks like.

```
.text, #text, p{  
    color:rgb(127, 162, 195)  
}
```

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(127, 162, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 162, 195) }
```

Border

The CSS property to change the border of an element to XYZ 31.5231, 34.2928, 56.5875 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(127, 162, 195) }
```


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

```
.border{ border-color:rgb(127, 162, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 162, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 162, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 162, 195); box-shadow:4px 4px 4px 4px rgb(127, 162, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5231, 34.2928, 56.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 162, 195) }
```

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

```
.background{ background-color: rgb(127,  
162, 195) }
```

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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