

Converting Colors

XYZ(31.5068, 34.7670, 71.3863)

Have a look what the booklet for
XYZ(31.5068, 34.7670, 71.3863)
contains.

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Color

**XYZ(31.4769, 34.7389,
71.3759)**

Conversions

Conversions Part 1

Format	Color
Hex	65A5DA
RGB	101, 165, 218
RGB Percent	40%, 65%, 85%
CMY	0.6039, 0.3529, 0.1451
CMYK	0.54, 0.24, 0.00, 0.15
HSL	207°, 61%, 63%
HSV	207°, 54%, 85%
XYZ	31.4769, 34.7389, 71.3759
YIQ	151.9060, -55.1570, 2.9150

Conversions

Conversions Part 2

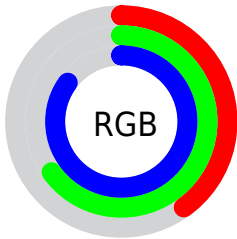
Format	Color
RYB	101, 142, 218
Decimal	6661594
CIELab	65.54, -5.56, -33.14
CIELCh	66, 33.606, 260.482
Yxy	34.7389, 0.2288, 0.2525
Android (android.graphics.Color)	4284851674 (0xFF65A5DA)
YUV	151.9060, 32.5843, -44.6446
Hunter-Lab	58.9397, -7.8161, -30.5423

Details

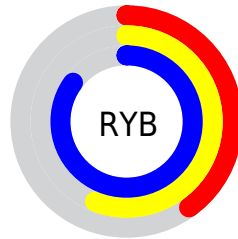
The XYZ color **31.4769, 34.7389, 71.3759** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.8194, 38.9581, 17.5764**, and the grayscale version is **29.6867, 31.2327, 34.0124**.

A 20% lighter version of the original color is **57.9413, 65.7773, 104.2502**, and **13.2789, 14.8479, 36.8164** is the 20% darker color. If you saturate the color by 10%, you get **27.6391, 30.2181, 70.7062**, and if you desaturate by 10%, it is **36.1019, 39.8711, 72.1234**.

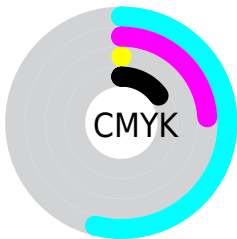
Distribution



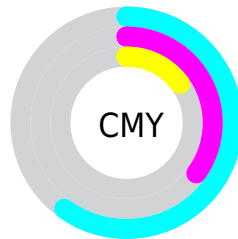
- Red (40%)
- Green (65%)
- Blue (85%)



- Red (40%)
- Yellow (56%)
- Blue (85%)



- Cyan (54%)
- Magenta (24%)
- Yellow (0%)
- Black (15%)



- Cyan (60%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4769, 34.7389, 71.3759 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 31.4769, 34.7389, 71.3759 by changing the saturation by 10% instead.

■ 31.4769, 34.7389,
71.3759

■ 31.4769, 34.7389,
71.3759

300.5172,
323.4143, 484.2854

■ 21.1159, 23.4618,
52.1653

■ 61.3609, 67.0811,
122.8683

■ 13.3217, 14.9349,
36.7537

■ 81.6145, 88.9150,
155.9871

■ 7.7289, 8.7737,
24.7226

■ 105.8964,
115.0366, 194.5791

■ 3.9723, 4.5939,
15.6533

■ 134.5720,
145.8303, 239.0628

■ 1.6865, 2.0110,
9.1275

168.0064,
181.6806, 289.8567

■ 0.4478, 0.6139,
4.7265

206.5652,

■ 0.0000, 0.0000,

222.9717, 347.3795

2.0318

250.6137,
270.0882, 412.0495

■ 0.0000, 0.0000,
0.5747

■ 0.0000, 0.0000,
0.0000

■ 31.4769, 34.7389,
71.3759

■ 31.4769, 34.7389,
71.3759

■ 27.6391, 30.2181,
70.7062

■ 36.1019, 39.8711,
72.1234

■ 24.5295, 26.2715,
70.1084

■ 41.5602, 45.6408,
72.9494

■ 22.0854, 22.8630,
69.5793

■ 47.8983, 52.0770,
73.8577

■ 20.2302, 19.9481,
69.1144

■ 55.1579, 59.2054,
74.8510

■ 19.2812, 18.3144,
68.8491

■ 63.3781, 67.0502,
75.9319

■ 72.5953, 75.6340,
77.1029

■ 82.8444, 84.9788,
78.3665

■ 86.2475, 91.0270,
79.3545

■ 89.2992, 97.1304,
80.3718

Harmonies

Analogous

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



27.3511, 34.7389, 62.8435



31.4769, 34.7389, 71.3759



36.4443, 34.7389, 69.3472

Triad

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



31.4769, 34.7389, 71.3759



42.7085, 34.7389, 29.1056



26.2380, 34.7389, 23.0577

Complementary

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



31.4769, 34.7389, 71.3759



42.8194, 38.9581, 17.5764

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.



29.8140, 34.7389, 17.6810



31.4769, 34.7389, 71.3759



39.4187, 34.7389, 20.5222

Square

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



31.4769, 34.7389, 71.3759



43.2669, 34.7389, 42.4893



34.6092, 34.7389, 16.8853



24.5311, 34.7389, 33.5147

Rectangle

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



31.4769, 34.7389, 71.3759



39.5563, 34.7389, 62.4328



34.6092, 34.7389, 16.8853



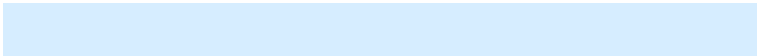
27.2436, 34.7389, 20.7180

Sweetspot

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



31.4781, 34.7402, 71.3767



75.9847, 81.8356, 106.3988



36.2431, 55.2319, 39.1716



15.7948, 17.0576, 22.7099



0.0000, 0.0000, 0.0000



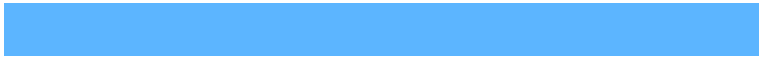
20.3446, 21.4041, 23.3091

Same Dimension

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



31.4781, 34.7402, 71.3767



38.9818, 42.5613, 100.7683



23.2653, 18.3145, 68.6391



12.9260, 13.7918, 16.6329



11.6603, 11.1900, 41.2837



0.8411, 0.8963, 2.7031

Inverse Universe

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



40.3598, 26.9309, 38.6694



53.3975, 32.2188, 47.1583



54.8443, 63.0079, 21.5847



13.3525, 13.1701, 15.1176



19.3809, 9.7534, 11.6518



1.2988, 0.6492, 0.9826

Previews

White Background



This preview shows how the XYZ color 31.4769, 34.7389, 71.3759 looks on a white background.

Color Contrast Check

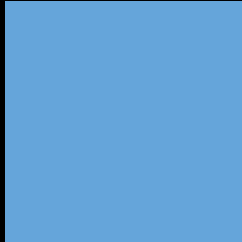
Large Text (above 18pt) WCAG AA × Fail

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 31.4769, 34.7389, 71.3759 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

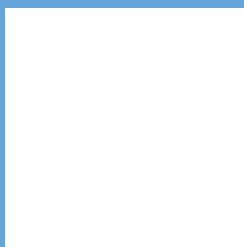
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4769, 34.7389, 71.3759

Background



This preview shows how black text looks on a background with the XYZ color 31.4769, 34.7389, 71.3759.



This preview shows how white text looks on a background with the XYZ color 31.4769, 34.7389,

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

31.4769, 34.7389, 71.3759

Protanopia

34.9740, 34.3197, 66.4091

Deuteranopia

35.4565, 34.6845, 72.5362



Tritanopia

27.4397, 34.7524, 51.1606

Trichromacy



Original Color

31.4769, 34.7389, 71.3759

Protanomaly

33.4378, 34.2405, 68.4650

Deuteranomaly

33.8144, 34.6161, 71.9172

Tritanomaly

28.7802, 34.7343, 58.0108

Monochromacy



Original Color

31.4769, 34.7389, 71.3759

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5663, 32.2351, 45.7380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4769, 34.7389, 71.3759 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(101, 165, 218)` looks like.

```
.text, #text, p{  
    color:rgb(101, 165, 218)  
}
```

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(101, 165, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 165, 218) }
```

Border

The CSS property to change the border of an element to XYZ 31.4769, 34.7389, 71.3759 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(101, 165, 218) }
```


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

```
.border{ border-color:rgb(101, 165, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 165, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 165, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 165, 218);  
box-shadow:4px 4px 4px 4px rgb(101, 165,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4769, 34.7389, 71.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 165, 218) }
```

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

```
.background{ background-color: rgb(101,  
165, 218) }
```

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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