

Converting Colors

XYZ(31.1136, 31.0900, 84.8540)

Have a look what the booklet for
XYZ(31.1136, 31.0900, 84.8540)
contains.

XYZ(31.0909, 31.1722, 84.4989)	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(31.0909, 31.1722,
84.4989)**

Conversions

Conversions Part 1

Format	Color
Hex	5C99ED
RGB	92, 153, 237
RGB Percent	36%, 60%, 93%
CMY	0.6392, 0.4000, 0.0706
CMYK	0.61, 0.35, 0.00, 0.07
HSL	215°, 80%, 65%
HSV	215°, 61%, 93%
XYZ	31.0909, 31.1722, 84.4989
YIQ	144.3370, -63.3200, 13.1920

Conversions

Conversions Part 2

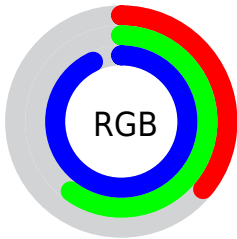
Format	Color
R_{YB}	92, 135, 237
Decimal	6068717
CIE _{Lab}	62.65, 5.49, -48.18
CIE _{LCh}	63, 48.496, 276.499
Yxy	31.1722, 0.2118, 0.2124
Android (android.graphics.Color)	4284258797 (0xFF5C99ED)
YUV	144.3370, 45.6829, -45.8995
Hunter-Lab	55.8321, 1.6942, -50.6498

Details

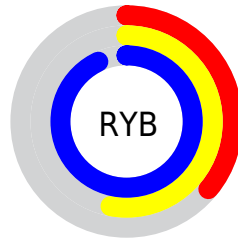
The XYZ color **31.0909, 31.1722, 84.4989** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **52.3840, 49.8307, 16.9843**, and the grayscale version is **26.4861, 27.8655, 30.3455**.

A 20% lighter version of the original color is **53.4997, 58.6180, 103.1024**, and **13.1907, 13.0367, 45.5372** is the 20% darker color. If you saturate the color by 10%, you get **26.9636, 25.8985, 83.6992**, and if you desaturate by 10%, it is **36.2195, 37.3468, 85.4211**.

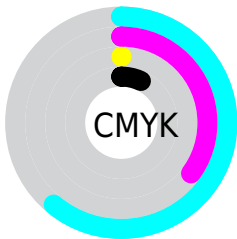
Distribution



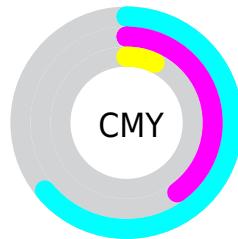
- Red (36%)
- Green (60%)
- Blue (93%)



- Red (36%)
- Yellow (53%)
- Blue (93%)



- Cyan (61%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)



- Cyan (64%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0909, 31.1722, 84.4989 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 31.0909, 31.1722, 84.4989 by changing the saturation by 10% instead.

■ 31.0909, 31.1722,
84.4989

■ 31.0909, 31.1722,
84.4989

298.7763,
307.3309, 530.0698

■ 20.8202, 20.7300,
62.8797

■ 60.7580, 61.5111,
141.5408

■ 13.1044, 12.9268,
45.3035

■ 80.8852, 82.1766,
177.8005

■ 7.5780, 7.3782,
31.3518

■ 105.0286,
107.0186, 219.7775

■ 3.8756, 3.6997,
20.6062

■ 133.5536,
136.4216, 267.8902

■ 1.6320, 1.5070,
12.6480

166.8255,
170.7699, 322.5573

■ 0.4131, 0.2937,
7.0588

205.2096,

■ 0.0000, 0.0000,

210.4480, 384.1972

3.4199

249.0715,
255.8401, 453.2285

■ 0.0000, 0.0000,
1.3128

■ 0.0000, 0.0000,
0.0723

■ 31.0909, 31.1722,
84.4989

■ 31.0909, 31.1722,
84.4989

■ 26.9636, 25.8985,
83.6992

■ 36.2195, 37.3468,
85.4211

■ 23.7535, 21.4682,
83.0132

■ 42.4166, 44.4680,
86.4690

■ 21.3669, 17.8197,
82.4348

■ 49.7471, 52.5816,
87.6487

■ 19.8146, 15.1712,
82.0054

■ 58.2697, 61.7290,
88.9651

■ 68.0385, 71.9490,
90.4229

■ 79.1042, 83.2782,
92.0264

■ 90.4368, 95.1957,
93.7295

■ 92.2862, 98.8945,
94.3459

Harmonies

Analogous

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



24.8419, 31.1722, 79.4835



31.0909, 31.1722, 84.4989



37.8529, 31.1722, 72.4341

Triad

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



31.0909, 31.1722, 84.4989



41.0694, 31.1722, 16.5624



19.4309, 31.1722, 21.3932

Complementary

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



31.0909, 31.1722, 84.4989



52.3840, 49.8307, 16.9843

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.



22.6906, 31.1722, 12.2780



31.0909, 31.1722, 84.4989



34.9930, 31.1722, 10.3021

Square

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



31.0909, 31.1722, 84.4989



44.1417, 31.1722, 29.9840



28.2122, 31.1722, 9.0942



18.7057, 31.1722, 38.2322

Rectangle

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



31.0909, 31.1722, 84.4989



41.5457, 31.1722, 58.2677



28.2122, 31.1722, 9.0942



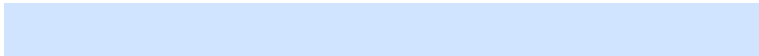
20.2402, 31.1722, 17.5489

Sweetspot

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



31.0921, 31.1733, 84.4997



72.2288, 76.5019, 105.5672



42.3554, 65.9072, 50.6205



14.7701, 15.6469, 22.4916



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.



31.0921, 31.1733, 84.4997



30.9519, 29.3963, 98.6505



24.5565, 16.5758, 82.0266



14.7520, 15.5903, 19.1540



10.9413, 8.5295, 44.8127



0.9524, 0.8563, 3.5500

Inverse Universe

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



44.5030, 27.9602, 33.1891



48.6378, 27.6094, 30.4344



64.0007, 77.7270, 21.7565



15.3284, 15.1592, 17.0144



20.3779, 10.3539, 7.7916



1.6472, 0.8319, 0.8597

Previews

White Background



This preview shows how the XYZ color 31.0909, 31.1722, 84.4989 looks on a white background.

Color Contrast Check

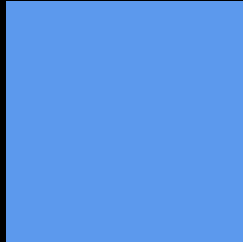
Large Text (above 18pt) WCAG AA × Fail

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 31.0909, 31.1722, 84.4989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

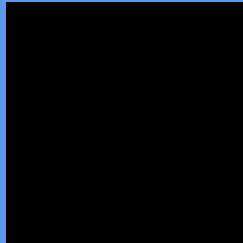
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

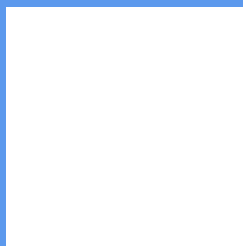
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0909, 31.1722, 84.4989

Background



This preview shows how black text looks on a background with the XYZ color 31.0909, 31.1722, 84.4989.



This preview shows how white text looks on a background with the XYZ color 31.0909, 31.1722,

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

31.0909, 31.1722, 84.4989

Protanopia

33.0436, 31.0561, 81.3436

Deuteranopia

32.0927, 31.1898, 85.2177



Tritanopia

23.6054, 31.2146, 46.9004

Trichromacy



Original Color

31.0909, 31.1722, 84.4989

Protanomaly

32.1880, 31.0682, 82.1422

Deuteranomaly

31.8064, 31.2822, 85.2506

Tritanomaly

25.8777, 31.0691, 58.6659

Monochromacy



Original Color

31.0909, 31.1722, 84.4989

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.9270, 28.4418, 46.1901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0909, 31.1722, 84.4989 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(92, 153, 237)` looks like.

```
.text, #text, p{  
    color:rgb(92, 153, 237)  
}
```

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(92, 153, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 153, 237) }
```

Border

The CSS property to change the border of an element to XYZ 31.0909, 31.1722, 84.4989 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(92, 153, 237) }
```


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

```
.border{ border-color:rgb(92, 153, 237) }
```

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

Here you see how a box with a 4 pixel rgb(92, 153, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 153, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 153, 237);  
box-shadow:4px 4px 4px 4px rgb(92, 153,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0909, 31.1722, 84.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 153, 237) }
```

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

```
.background{ background-color: rgb(92, 153,  
237) }
```

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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