

Converting Colors

XYZ(31.2505, 32.5676, 58.6719)

Have a look what the booklet for
XYZ(31.2505, 32.5676, 58.6719)
contains.

XYZ(31.2505, 32.5676, 58.6719)	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(31.2505, 32.5676,
58.6719)**

Conversions

Conversions Part 1

Format	Color
Hex	819CC7
RGB	129, 156, 199
RGB Percent	51%, 61%, 78%
CMY	0.4941, 0.3882, 0.2196
CMYK	0.35, 0.22, 0.00, 0.22
HSL	217°, 38%, 64%
HSV	217°, 35%, 78%
XYZ	31.2505, 32.5676, 58.6719
YIQ	152.8290, -29.8950, 7.6490

Conversions

Conversions Part 2

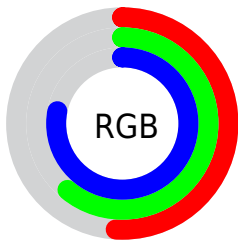
Format	Color
R _Y B	129, 148, 199
Decimal	8494279
CIE Lab	63.81, 1.09, -25.15
CIE LCh	64, 25.171, 272.489
Yxy	32.5676, 0.2551, 0.2659
Android (android.graphics.Color)	4286684359 (0xFF819CC7)
YUV	152.8290, 22.7623, -20.8980
Hunter-Lab	57.0680, -2.1223, -21.0087

Details

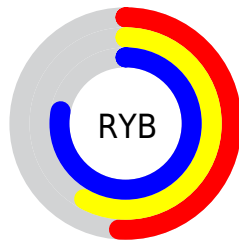
The XYZ color **31.2505, 32.5676, 58.6719** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.2687, 43.2326, 26.8868**, and the grayscale version is **30.1183, 31.6868, 34.5070**.

A 20% lighter version of the original color is **60.8638, 63.5035, 103.6573**, and **13.2230, 13.7253, 28.7404** is the 20% darker color. If you saturate the color by 10%, you get **26.5680, 27.2609, 57.8950**, and if you desaturate by 10%, it is **36.7302, 38.5932, 59.5467**.

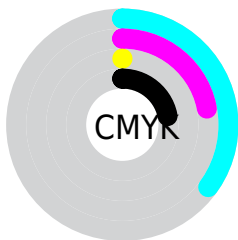
Distribution



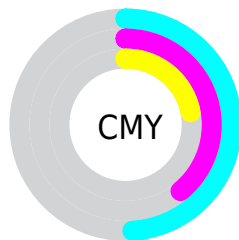
- Red (51%)
- Green (61%)
- Blue (78%)



- Red (51%)
- Yellow (58%)
- Blue (78%)



- Cyan (35%)
- Magenta (22%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (39%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2505, 32.5676, 58.6719 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 31.2505, 32.5676, 58.6719 by changing the saturation by 10% instead.

■ 31.2505, 32.5676,
58.6719

■ 31.2505, 32.5676,
58.6719

299.4970,
313.6968, 437.3529

■ 20.9424, 21.7954,
41.9308

■ 61.0074, 63.6999,
104.4251

■ 13.1942, 13.7066,
28.7219

■ 81.1870, 84.8287,
134.2742

■ 7.6403, 7.9169,
18.6268

■ 105.3877,
110.1786, 169.3298

■ 3.9155, 4.0418,
11.2269

133.9750,
140.1338, 210.0103

■ 1.6544, 1.6970,
6.1035

167.3143,
175.0789, 256.7344

■ 0.4275, 0.4217,
2.8383

205.7708,

■ 0.0000, 0.0000,

215.3981, 309.9205

1.0127

249.7099,
261.4760, 369.9871

■ 0.0000, 0.0000,
0.0000

■ 31.2505, 32.5676,
58.6719

■ 31.2505, 32.5676,
58.6719

■ 26.5680, 27.2609,
57.8950

■ 36.7302, 38.5932,
59.5467

■ 22.6392, 22.6395,
57.2100

■ 43.0413, 45.3618,
60.5206

■ 19.4209, 18.6724,
56.6139

■ 50.2198, 52.9009,
61.5974

■ 16.8639, 15.3243,
56.1024

■ 58.2985, 61.2355,
62.7804

■ 14.9116, 12.5555,
55.6709

■ 67.3084, 70.3893,
64.0723

■ 13.4963, 10.3199,
55.3140

■ 77.2790, 80.3849,
65.4762

■ 12.9460, 9.3978,
55.1650

■ 83.1736, 88.6330,
66.7575

■ 86.9259, 96.1375,
68.0083

■ 87.3089, 96.9036,
68.1360

Harmonies

Analogous

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



27.9207, 32.5676, 55.6718



31.2505, 32.5676, 58.6719



34.7496, 32.5676, 54.5382

Triad

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



31.2505, 32.5676, 58.6719



37.0471, 32.5676, 26.0013



25.3106, 32.5676, 27.2096

Complementary

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



31.2505, 32.5676, 58.6719



42.2687, 43.2326, 26.8868

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.



27.4463, 32.5676, 21.4485



31.2505, 32.5676, 58.6719



34.2006, 32.5676, 20.8498

Square

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



31.2505, 32.5676, 58.6719



38.2514, 32.5676, 34.6223



30.6604, 32.5676, 19.3554



24.6502, 32.5676, 36.3123

Rectangle

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



31.2505, 32.5676, 58.6719



36.6634, 32.5676, 48.6792



30.6604, 32.5676, 19.3554



25.8714, 32.5676, 24.8818

Sweetspot

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



31.2516, 32.5689, 58.6727



80.2203, 84.5578, 106.7010



36.8282, 48.4549, 45.9406



16.8080, 17.7169, 22.7838



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.



31.2516, 32.5689, 58.6727



48.4878, 49.9928, 101.7017



28.3133, 25.0593, 57.3780



10.3865, 10.9471, 13.4831



8.4036, 6.2011, 35.4984



0.4678, 0.4335, 1.7042

Inverse Universe

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



37.4051, 30.2439, 35.3200



61.0225, 46.0918, 53.9449



46.1248, 53.6389, 28.6922



10.8004, 10.7035, 11.9321



16.0411, 8.1660, 5.4262



0.7948, 0.4008, 0.4428

Previews

White Background



This preview shows how the XYZ color 31.2505, 32.5676, 58.6719 looks on a white background.

Color Contrast Check

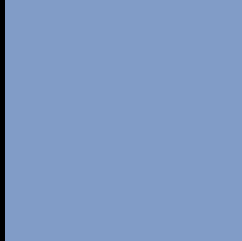
Large Text (above 18pt) WCAG AA × Fail

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 31.2505, 32.5676, 58.6719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

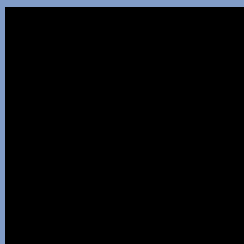
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

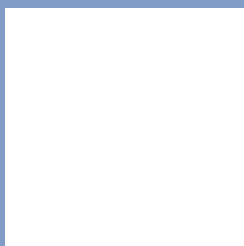
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2505, 32.5676, 58.6719

Background



This preview shows how black text looks on a background with the XYZ color 31.2505, 32.5676, 58.6719.



This preview shows how white text looks on a background with the XYZ color 31.2505, 32.5676,

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

31.2505, 32.5676, 58.6719

Protanopia

32.6827, 32.6076, 56.7959

Deuteranopia

33.3306, 32.6463, 59.1882



Tritanopia

28.4561, 32.7178, 44.3505

Trichromacy



Original Color

31.2505, 32.5676, 58.6719

Protanomaly

32.1149, 32.5457, 57.4126

Deuteranomaly

32.4640, 32.4416, 59.1944

Tritanomaly

29.2991, 32.5336, 48.9914

Monochromacy



Original Color

31.2505, 32.5676, 58.6719

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3129, 31.9428, 42.5981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2505, 32.5676, 58.6719 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(129, 156, 199)` looks like.

```
.text, #text, p{  
    color:rgb(129, 156, 199)  
}
```

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(129, 156, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 156, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.2505, 32.5676, 58.6719 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(129, 156, 199) }
```


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

```
.border{ border-color:rgb(129, 156, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 156, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 156, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 156, 199);  
box-shadow:4px 4px 4px 4px rgb(129, 156,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2505, 32.5676, 58.6719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 156, 199) }
```

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

```
.background{ background-color: rgb(129,  
156, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor