

Converting Colors

XYZ(28.8245, 32.2010, 58.1241)

Have a look what the booklet for
XYZ(28.8245, 32.2010, 58.1241)
contains.

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Color

**XYZ(28.7755, 32.0616,
58.0980)**

Conversions

Conversions Part 1

Format	Color
Hex	6C9FC6
RGB	108, 159, 198
RGB Percent	42%, 62%, 78%
CMY	0.5765, 0.3765, 0.2235
CMYK	0.45, 0.20, 0.00, 0.22
HSL	206°, 44%, 60%
HSV	206°, 45%, 78%
XYZ	28.7755, 32.0616, 58.0980
YIQ	148.1970, -42.9150, 1.3170

Conversions

Conversions Part 2

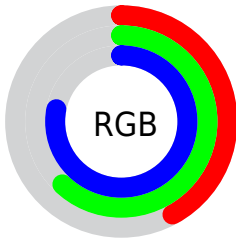
Format	Color
RYB	108, 141, 198
Decimal	7118790
CIELab	63.39, -6.48, -25.33
CIElCh	63, 26.147, 255.655
Yxy	32.0616, 0.2419, 0.2696
Android (android.graphics.Color)	4285308870 (0xFF6C9FC6)
YUV	148.1970, 24.5529, -35.2528
Hunter-Lab	56.6230, -8.3774, -21.1984

Details

The XYZ color **28.7755, 32.0616, 58.0980** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.4300, 33.9569, 18.8227**, and the grayscale version is **28.1449, 29.6107, 32.2460**.

A 20% lighter version of the original color is **57.2008, 63.0997, 103.7724**, and **11.8648, 13.4956, 28.3651** is the 20% darker color. If you saturate the color by 10%, you get **25.2109, 28.1097, 57.5237**, and if you desaturate by 10%, it is **32.9915, 36.5026, 58.7336**.

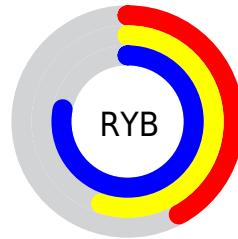
Distribution



Red (42%)

Green (62%)

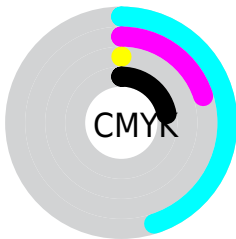
Blue (78%)



Red (42%)

Yellow (55%)

Blue (78%)

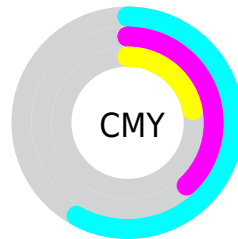


Cyan (45%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (58%)

Magenta (38%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7755, 32.0616, 58.0980 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 28.7755, 32.0616, 58.0980 by changing the saturation by 10% instead.

■ 28.7755, 32.0616,
58.0980

■ 28.7755, 32.0616,
58.0980

288.1676,
311.3998, 435.1595

■ 19.0545, 21.4086,
41.4722

■ 57.1202, 62.9076,
103.5817

■ 11.8139, 13.4230,
28.3658

■ 76.4747, 83.8694,
133.2768

■ 6.6884, 7.7204,
18.3601

■ 99.7710, 109.0363,
168.1653

■ 3.3126, 3.9166,
11.0367

■ 127.3744,
138.7925, 208.6659

■ 1.3211, 1.6270,
5.9771

159.6505,
173.5226, 255.1971

■ 0.1990, 0.3757,
2.7626

196.9645,

■ 0.0000, 0.0000,

213.6109, 308.1774

0.9747

239.6817,
259.4418, 368.0253

■ 0.0000, 0.0000,
0.0000

■ 28.7755, 32.0616,
58.0980

■ 28.7755, 32.0616,
58.0980

■ 25.2109, 28.1097,
57.5237

■ 32.9915, 36.5026,
58.7336

■ 22.2549, 24.6200,
57.0059

■ 37.8916, 41.4508,
59.4304

■ 19.8643, 21.5675,
56.5427

■ 43.5102, 46.9271,
60.1913

■ 17.9878, 18.9226,
56.1311

■ 49.8780, 52.9505,
61.0183

■ 16.5631, 16.6498,
55.7675

■ 57.0242, 59.5386,
61.9133

■ 16.0096, 15.7101,
55.6153

■ 64.9760, 66.7082,
62.8781

■ 73.7595, 74.4752,
63.9143

■ 79.0783, 80.6275,
64.8215

■ 81.4927, 85.4563,
65.6263

Harmonies

Analogous

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



25.8473, 32.0616, 51.2587



28.7755, 32.0616, 58.0980



32.3975, 32.0616, 57.9320

Triad

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



28.7755, 32.0616, 58.0980



37.7064, 32.0616, 29.7851



25.7463, 32.0616, 22.7107

Complementary

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



28.7755, 32.0616, 58.0980



36.4300, 33.9569, 18.8227

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.



28.6274, 32.0616, 18.9729



28.7755, 32.0616, 58.0980



35.6213, 32.0616, 22.4689

Square

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



28.7755, 32.0616, 58.0980



37.7540, 32.0616, 40.1043



32.2372, 32.0616, 18.8942



24.1950, 32.0616, 30.1841

Rectangle

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



28.7755, 32.0616, 58.0980



34.7291, 32.0616, 53.8174



32.2372, 32.0616, 18.8942



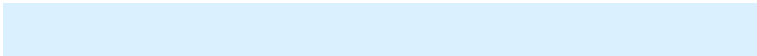
26.5807, 32.0616, 21.0474

Sweetspot

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



28.7766, 32.0628, 58.0988



78.3757, 84.3705, 106.7620



31.5288, 45.6369, 34.1388



16.2776, 17.5811, 22.7855



0.0000, 0.0000, 0.0000



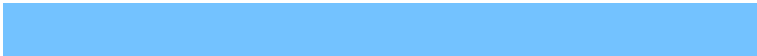
20.3446, 21.4041, 23.3091

Same Dimension

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



28.7766, 32.0628, 58.0988



44.4294, 49.5319, 101.8267



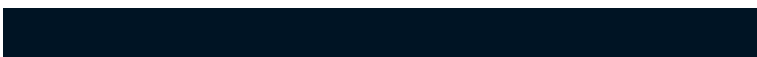
22.5663, 19.6423, 56.0287



10.5470, 11.2682, 13.5366



10.4977, 10.3893, 36.1964



0.5681, 0.6340, 1.7376

Inverse Universe

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



34.9102, 25.2351, 35.8330



57.1052, 37.3697, 55.3751



44.5182, 50.1331, 21.5188



10.8814, 10.7359, 12.3587



17.0981, 8.5888, 10.9923



0.8455, 0.4210, 0.7093

Previews

White Background



This preview shows how the XYZ color 28.7755, 32.0616, 58.0980 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 28.7755, 32.0616, 58.0980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

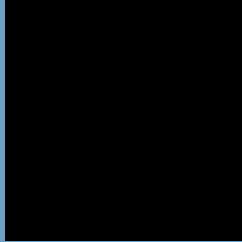
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7755, 32.0616, 58.0980

Background



This preview shows how black text looks on a background with the XYZ color 28.7755, 32.0616, 58.0980.

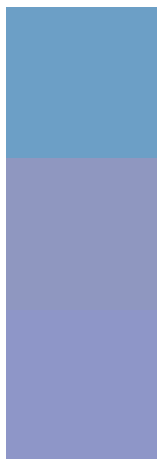


This preview shows how white text looks on a background with the XYZ color 28.7755, 32.0616,

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

28.7755, 32.0616, 58.0980

Protanopia

31.9087, 31.7786, 54.3213

Deuteranopia

32.4870, 31.7336, 59.0565



Tritanopia

26.4132, 32.1538, 45.8885

Trichromacy



Original Color

28.7755, 32.0616, 58.0980

Protanomaly

30.4991, 31.7521, 55.5602

Deuteranomaly

30.9060, 31.6518, 58.5133

Tritanomaly

27.2810, 32.2444, 50.1333

Monochromacy



Original Color

28.7755, 32.0616, 58.0980

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.7840, 30.1962, 40.4405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7755, 32.0616, 58.0980 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(108, 159, 198)` looks like.

```
.text, #text, p{  
    color:rgb(108, 159, 198)  
}
```

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(108, 159, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 159, 198) }
```

Border

The CSS property to change the border of an element to XYZ 28.7755, 32.0616, 58.0980 is called "border". The border property can be set on classes, ids or directly on the HTML element.

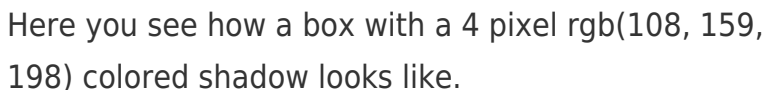
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 159, 198) }
```


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

```
.border{ border-color:rgb(108, 159, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 159, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 159, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 159, 198); box-shadow:4px 4px 4px 4px rgb(108, 159, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7755, 32.0616, 58.0980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 159, 198) }
```

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

```
.background{ background-color: rgb(108,  
159, 198) }
```

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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