

Converting Colors

XYZ(28.5394, 30.7964, 63.1836)

Have a look what the booklet for
XYZ(28.5394, 30.7964, 63.1836)
contains.

XYZ(28.5773, 30.8312, 63.4763)	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(28.5773, 30.8312,
63.4763)**

Conversions

Conversions Part 1

Format	Color
Hex	679BCF
RGB	103, 155, 207
RGB Percent	40%, 61%, 81%
CMY	0.5961, 0.3921, 0.1882
CMYK	0.50, 0.25, 0.00, 0.19
HSL	210°, 52%, 61%
HSV	210°, 50%, 81%
XYZ	28.5773, 30.8312, 63.4763
YIQ	145.3800, -47.6840, 5.1480

Conversions

Conversions Part 2

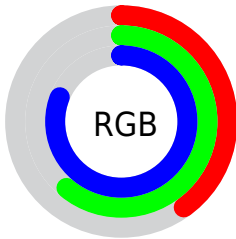
Format	Color
RYB	103, 138, 207
Decimal	6790095
CIELab	62.36, -2.82, -31.96
CIELCh	62, 32.088, 264.965
Yxy	30.8312, 0.2326, 0.2509
Android (android.graphics.Color)	4284980175 (0xFF679BCF)
YUV	145.3800, 30.3787, -37.1673
Hunter-Lab	55.5258, -5.3023, -28.9113

Details

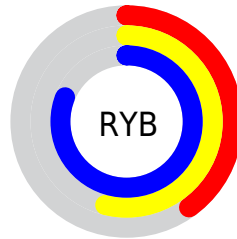
The XYZ color **28.5773, 30.8312, 63.4763** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.9026, 37.6886, 18.0047**, and the grayscale version is **26.9632, 28.3674, 30.8921**.

A 20% lighter version of the original color is **55.1485, 60.1919, 103.3193**, and **11.6565, 12.7031, 31.5433** is the 20% darker color. If you saturate the color by 10%, you get **24.8411, 26.4572, 62.8295**, and if you desaturate by 10%, it is **33.0509, 35.8057, 64.2013**.

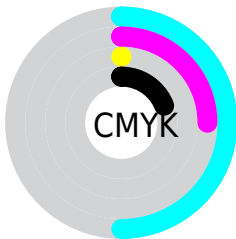
Distribution



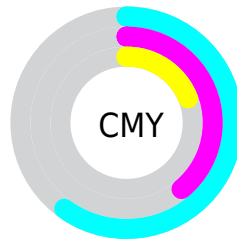
- Red (40%)
- Green (61%)
- Blue (81%)



- Red (40%)
- Yellow (54%)
- Blue (81%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)



- Cyan (60%)
- Magenta (39%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5773, 30.8312, 63.4763 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 28.5773, 30.8312, 63.4763 by changing the saturation by 10% instead.

■ 28.5773, 30.8312,
63.4763

■ 28.5773, 30.8312,
63.4763

287.2456,
305.7599, 455.4515

■ 18.9040, 20.4703,
45.7832

■ 56.8070, 60.9742,
111.4486

■ 11.7045, 12.7374,
31.7273

■ 76.0942, 81.5252,
142.5648

■ 6.6136, 7.2480,
20.8902

■ 99.3166, 106.2416,
178.9925

■ 3.2658, 3.6177,
12.8533

■ 126.8396,
135.5079, 221.1501

■ 1.2958, 1.4621,
7.1981

159.0287,
169.7085, 269.4563

■ 0.1801, 0.2618,
3.5060

196.2492,

■ 0.0000, 0.0000,

209.2278, 324.3296

1.3584

238.8663,
254.4501, 386.1884

■ 0.0000, 0.0000,
0.1090

■ 0.0000, 0.0000,
0.0000

■ 28.5773, 30.8312,
63.4763

■ 28.5773, 30.8312,
63.4763

■ 24.8411, 26.4572,
62.8295

■ 33.0509, 35.8057,
64.2013

■ 21.7914, 22.6502,
62.2555

■ 38.3021, 41.4050,
65.0053

■ 19.3749, 19.3777,
61.7512

■ 44.3715, 47.6556,
65.8919

■ 17.5278, 16.6009,
61.3125

■ 51.2958, 54.5815,
66.8638

■ 16.1627, 14.3052,
60.9414

■ 59.1096, 62.2053,
67.9235

■ 67.8453, 70.5482,
69.0734

■ 77.5336, 79.6306,
70.3158

■ 83.0199, 86.7996,
71.4104

■ 86.1172, 92.9942,
72.4429

Harmonies

Analogous

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



24.7665, 30.8312, 57.2089



28.5773, 30.8312, 63.4763



32.9722, 30.8312, 60.2562

Triad

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



28.5773, 30.8312, 63.4763



37.5459, 30.8312, 24.4531



22.9841, 30.8312, 21.6263

Complementary

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



28.5773, 30.8312, 63.4763



39.9026, 37.6886, 18.0047

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.



25.9187, 30.8312, 16.2203



28.5773, 30.8312, 63.4763



34.3646, 30.8312, 17.5475

Square

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



28.5773, 30.8312, 63.4763



38.4353, 30.8312, 35.7130



30.0432, 30.8312, 14.9365



21.7474, 30.8312, 31.5143

Rectangle

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



28.5773, 30.8312, 63.4763



35.6109, 30.8312, 53.4954



30.0432, 30.8312, 14.9365



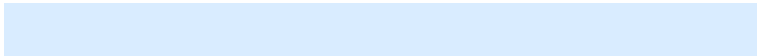
23.7897, 30.8312, 19.3316

Sweetspot

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



28.5784, 30.8323, 63.4770



76.5504, 81.8523, 106.3722



33.8237, 49.8766, 38.8560



15.8847, 17.0180, 22.6975



0.0000, 0.0000, 0.0000



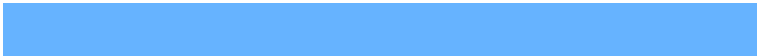
20.3446, 21.4041, 23.3091

Same Dimension

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



28.5784, 30.8323, 63.4770



39.5494, 42.0847, 100.6464



21.7073, 17.0903, 61.1867



11.6450, 12.3803, 15.0195



10.2778, 9.2022, 38.4270



0.6540, 0.6732, 2.1750

Inverse Universe

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



36.4997, 25.3336, 33.9775



54.0775, 33.9972, 46.0948



50.4938, 58.8710, 21.5351



12.0517, 11.9054, 13.5482



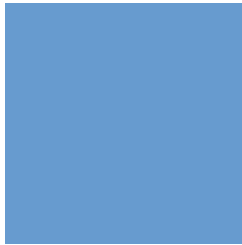
17.8185, 9.0002, 9.2163



1.0364, 0.5193, 0.7262

Previews

White Background



This preview shows how the XYZ color 28.5773, 30.8312, 63.4763 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 28.5773, 30.8312, 63.4763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

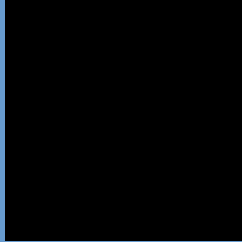
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.5773, 30.8312, 63.4763

Background



This preview shows how black text looks on a background with the XYZ color 28.5773, 30.8312, 63.4763.

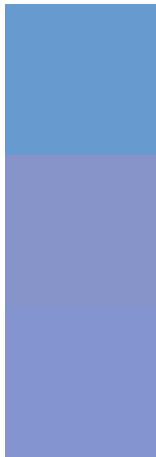


This preview shows how white text looks on a background with the XYZ color 28.5773, 30.8312,

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

28.5773, 30.8312, 63.4763

Protanopia

31.2422, 30.5950, 60.1359

Deuteranopia

31.3351, 30.5592, 63.9215



Tritanopia

24.7985, 30.8210, 44.6864

Trichromacy



Original Color

28.5773, 30.8312, 63.4763

Protanomaly

30.1341, 30.7038, 61.4649

Deuteranomaly

30.3369, 30.7522, 64.0114

Tritanomaly

26.0849, 30.8282, 51.0300

Monochromacy



Original Color

28.5773, 30.8312, 63.4763

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.0213, 29.0679, 41.2323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5773, 30.8312, 63.4763 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(103, 155, 207)` looks like.

```
.text, #text, p{  
    color:rgb(103, 155, 207)  
}
```

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(103, 155, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 155, 207) }
```

Border

The CSS property to change the border of an element to XYZ 28.5773, 30.8312, 63.4763 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(103, 155, 207) }
```


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

```
.border{ border-color:rgb(103, 155, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 155, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 155, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 155, 207);  
box-shadow:4px 4px 4px 4px rgb(103, 155,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5773, 30.8312, 63.4763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 155, 207) }
```

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

```
.background{ background-color: rgb(103,  
155, 207) }
```

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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