

Converting Colors

XYZ(28.8709, 31.4393, 55.4896)

Have a look what the booklet for
XYZ(28.8709, 31.4393, 55.4896)
contains.

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Color

**XYZ(28.8285, 31.3850,
55.5774)**

Conversions

Conversions Part 1

Format	Color
Hex	749CC2
RGB	116, 156, 194
RGB Percent	45%, 61%, 76%
CMY	0.5451, 0.3882, 0.2392
CMYK	0.40, 0.20, 0.00, 0.24
HSL	209°, 39%, 61%
HSV	209°, 40%, 76%
XYZ	28.8285, 31.3850, 55.5774
YIQ	148.3720, -36.0380, 3.3380

Conversions

Conversions Part 2

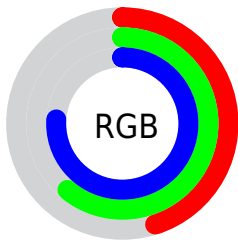
Format	Color
RYB	116, 142, 194
Decimal	7642306
CIELab	62.83, -3.85, -23.92
CIElCh	63, 24.228, 260.862
Yxy	31.3850, 0.2490, 0.2710
Android (android.graphics.Color)	4285832386 (0xFF749CC2)
YUV	148.3720, 22.4946, -28.3902
Hunter-Lab	56.0223, -6.1848, -19.6035

Details

The XYZ color **28.8285, 31.3850, 55.5774** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.9567, 35.8420, 21.4943**, and the grayscale version is **28.2242, 29.6940, 32.3368**.

A 20% lighter version of the original color is **57.2538, 61.7161, 100.1616**, and **11.8351, 13.0534, 26.7067** is the 20% darker color. If you saturate the color by 10%, you get **24.9894, 27.1430, 54.9615**, and if you desaturate by 10%, it is **33.3315, 36.1538, 56.2611**.

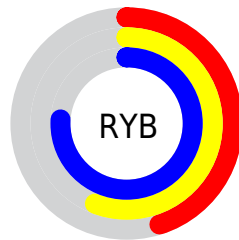
Distribution



Red (45%)

Green (61%)

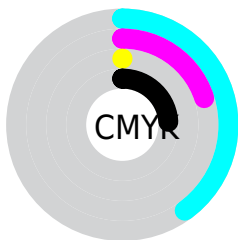
Blue (76%)



Red (45%)

Yellow (56%)

Blue (76%)

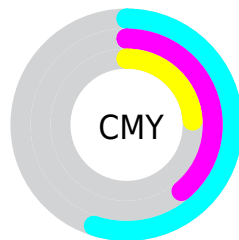


Cyan (40%)

Magenta (20%)

Yellow (0%)

Black (24%)



Cyan (55%)

Magenta (39%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8285, 31.3850, 55.5774 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 28.8285, 31.3850, 55.5774 by changing the saturation by 10% instead.

■ 28.8285, 31.3850,
55.5774

■ 28.8285, 31.3850,
55.5774

288.4137,
308.3081, 425.4404

■ 19.0948, 20.8922,
39.4625

■ 57.2039, 61.8457,
99.8660

■ 11.8432, 13.0452,
26.8091

■ 76.5763, 82.5824,
128.8768

■ 6.7084, 7.4597,
17.1987

■ 99.8923, 107.5025,
163.0234

■ 3.3251, 3.7512,
10.2128

127.5173,
136.9904, 202.7241

■ 1.3279, 1.5354,
5.4329

159.8166,
171.4306, 248.3977

■ 0.2040, 0.3134,
2.4403

197.1555,

■ 0.0000, 0.0000,

211.2073, 300.4625

0.8082

239.8994,
256.7050, 359.3373

■ 0.0000, 0.0000,
0.0000

■ 28.8285, 31.3850,
55.5774

■ 28.8285, 31.3850,
55.5774

■ 24.9894, 27.1430,
54.9615

■ 33.3315, 36.1538,
56.2611

■ 21.7747, 23.4013,
54.4087

■ 38.5290, 41.4672,
57.0127

■ 19.1447, 20.1358,
53.9170

■ 44.4532, 47.3463,
57.8353

■ 17.0538, 17.3185,
53.4835

■ 51.1331, 53.8098,
58.7308

■ 15.4480, 14.9170,
53.1045

■ 58.5963, 60.8757,
59.7013

■ 14.2461, 12.9119,
52.7809

■ 66.8688, 68.5610,
60.7487

■ 75.9755, 76.8818,
61.8748

■ 79.7251, 82.6499,
62.7905

■ 82.4516, 88.1028,
63.6994

Harmonies

Analogous

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



25.9814, 31.3850, 50.3973



28.8285, 31.3850, 55.5774



32.1610, 31.3850, 54.2520

Triad

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



28.8285, 31.3850, 55.5774



36.1993, 31.3850, 28.0695



25.1499, 31.3850, 23.8872

Complementary

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



28.8285, 31.3850, 55.5774



36.9567, 35.8420, 21.4943

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.



27.6154, 31.3850, 19.7828



28.8285, 31.3850, 55.5774



34.0422, 31.3850, 21.8681

Square

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



28.8285, 31.3850, 55.5774



36.5844, 31.3850, 37.1583



30.8555, 31.3850, 19.1193



23.9636, 31.3850, 31.3519

Rectangle

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



28.8285, 31.3850, 55.5774



34.2029, 31.3850, 49.9410



30.8555, 31.3850, 19.1193



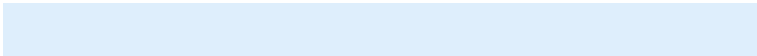
25.8476, 31.3850, 22.1314

Sweetspot

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



28.8295, 31.3862, 55.5781



78.2990, 83.5808, 104.4757



32.3028, 44.6204, 37.3519



16.8239, 17.9850, 22.8347



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.



28.8295, 31.3862, 55.5781



46.2070, 50.2286, 99.7295



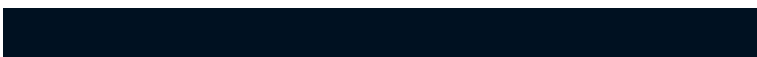
23.3372, 20.4016, 53.7474



9.9458, 10.5830, 12.8033



9.4487, 8.6539, 34.7290



0.4771, 0.5116, 1.5235

Inverse Universe

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



34.4951, 26.3613, 34.7239



58.1334, 40.9548, 55.5374



44.4049, 50.7383, 23.9770



10.2840, 10.1622, 11.5858



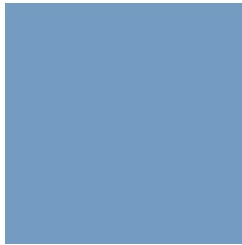
16.1652, 8.1559, 8.7822



0.7332, 0.3663, 0.5624

Previews

White Background



This preview shows how the XYZ color 28.8285, 31.3850, 55.5774 looks on a white background.

Color Contrast Check

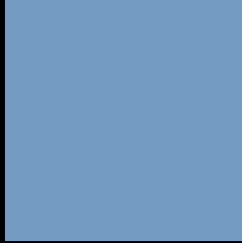
Large Text (above 18pt) WCAG AA × Fail

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 28.8285, 31.3850, 55.5774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

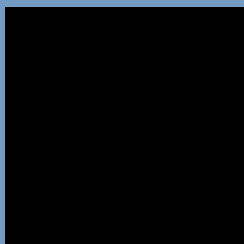
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

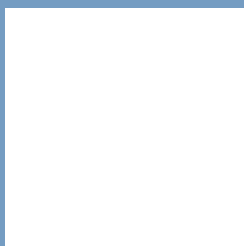
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8285, 31.3850, 55.5774

Background



This preview shows how black text looks on a background with the XYZ color 28.8285, 31.3850, 55.5774.

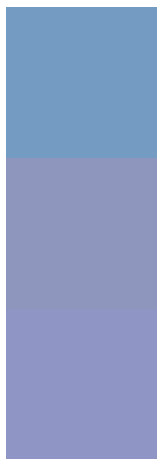


This preview shows how white text looks on a background with the XYZ color 28.8285, 31.3850,

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

28.8285, 31.3850, 55.5774

Protanopia

31.3559, 31.2812, 53.1004

Deuteranopia

32.0389, 31.3201, 56.5813



Tritanopia

26.5440, 31.4737, 44.2112

Trichromacy



Original Color

28.8285, 31.3850, 55.5774

Protanomaly

30.3051, 31.2046, 53.7161

Deuteranomaly

30.7514, 31.3831, 56.0665

Tritanomaly

27.4207, 31.5772, 48.3658

Monochromacy



Original Color

28.8285, 31.3850, 55.5774

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.0115, 30.0841, 39.9278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8285, 31.3850, 55.5774 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(116, 156, 194)` looks like.

```
.text, #text, p{  
    color:rgb(116, 156, 194)  
}
```

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(116, 156, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 156, 194) }
```

Border

The CSS property to change the border of an element to XYZ 28.8285, 31.3850, 55.5774 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(116, 156, 194) }
```


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

```
.border{ border-color:rgb(116, 156, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 156, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 156, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 156, 194);  
box-shadow:4px 4px 4px 4px rgb(116, 156,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8285, 31.3850, 55.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 156, 194) }
```

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

```
.background{ background-color: rgb(116,  
156, 194) }
```

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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