

Converting Colors

XYZ(28.8804, 27.0546, 70.0310)

Have a look what the booklet for
XYZ(28.8804, 27.0546, 70.0310)
contains.

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Color

**XYZ(28.9577, 27.1720,
70.0482)**

Conversions

Conversions Part 1

Format	Color
Hex	738BDA
RGB	115, 139, 218
RGB Percent	45%, 55%, 85%
CMY	0.5490, 0.4549, 0.1451
CMYK	0.47, 0.36, 0.00, 0.15
HSL	226°, 58%, 65%
HSV	226°, 47%, 85%
XYZ	28.9577, 27.1720, 70.0482
YIQ	140.8300, -39.6630, 19.4810

Conversions

Conversions Part 2

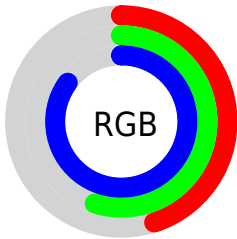
Format	Color
R _Y B	115, 134, 218
Decimal	7572442
CIE Lab	59.13, 12.59, -43.11
CIE LCh	59, 44.915, 286.283
Yxy	27.1720, 0.2295, 0.2153
Android (android.graphics.Color)	4285762522 (0xFF738BDA)
YUV	140.8300, 38.0448, -22.6529
Hunter-Lab	52.1268, 7.9393, -43.1854

Details

The XYZ color **28.9577, 27.1720, 70.0482** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **51.3009, 54.7284, 24.0808**, and the grayscale version is **25.1187, 26.4268, 28.7788**.

A 20% lighter version of the original color is **53.6942, 53.5772, 102.1192**, and **11.9282, 10.6886, 36.0848** is the 20% darker color. If you saturate the color by 10%, you get **24.1840, 21.3881, 69.1839**, and if you desaturate by 10%, it is **34.7815, 34.0479, 71.0690**.

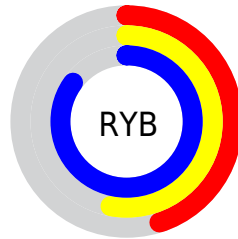
Distribution



Red (45%)

Green (55%)

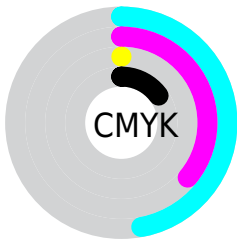
Blue (85%)



Red (45%)

Yellow (53%)

Blue (85%)

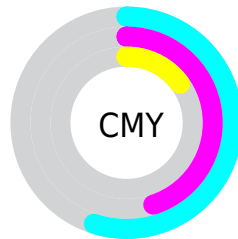


Cyan (47%)

Magenta (36%)

Yellow (0%)

Black (15%)



Cyan (55%)

Magenta (45%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9577, 27.1720, 70.0482 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 28.9577, 27.1720, 70.0482 by changing the saturation by 10% instead.

■ 28.9577, 27.1720,
70.0482

■ 28.9577, 27.1720,
70.0482

289.0131,
288.4890, 479.5129

■ 19.1929, 17.7024,
51.0888

■ 57.4079, 55.1597,
120.9592

■ 11.9146, 10.7366,
35.9021

■ 76.8240, 74.4467,
153.7480

■ 6.7573, 5.8900,
24.0695

■ 100.1880, 97.7750,
191.9835

■ 3.3558, 2.7783,
15.1725

127.8652,
125.5289, 236.0845

■ 1.3446, 1.0171,
8.7926

160.2210,
158.0928, 286.4693

■ 0.2162, 0.0000,
4.5112

197.6207,

■ 0.0000, 0.0000,

195.8512, 343.5567

1.9097

240.4296,
239.1885, 407.7650

■ 0.0000, 0.0000,
0.4989

■ 0.0000, 0.0000,
0.0000

■ 28.9577, 27.1720,
70.0482

■ 28.9577, 27.1720,
70.0482

■ 24.1840, 21.3881,
69.1839

■ 34.7815, 34.0479,
71.0690

■ 20.3921, 16.6346,
68.4663

■ 41.7119, 42.0667,
72.2515

■ 17.5100, 12.8482,
67.8873

■ 49.8047, 51.2799,
73.6033

■ 15.4536, 9.9563,
67.4375

■ 59.1112, 61.7344,
75.1307

■ 14.1153, 7.8711,
67.1056

■ 69.6794, 73.4750,
76.8398

■ 13.8298, 7.4116,
67.0319

■ 81.5548, 86.5440,
78.7365

■ 89.6550, 97.8420,
80.4903

Harmonies

Analogous

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



23.3610, 27.1720, 70.6837



28.9577, 27.1720, 70.0482



34.3972, 27.1720, 56.3574

Triad

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



28.9577, 27.1720, 70.0482



33.9870, 27.1720, 12.4514



16.7304, 27.1720, 22.8717

Complementary

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



28.9577, 27.1720, 70.0482



51.3009, 54.7284, 24.0808

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.



18.8122, 27.1720, 13.0067



28.9577, 27.1720, 70.0482



28.4590, 27.1720, 8.6286

Square

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



28.9577, 27.1720, 70.0482



37.5749, 27.1720, 21.7688



22.9290, 27.1720, 8.7864



16.8238, 27.1720, 39.0803

Rectangle

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



28.9577, 27.1720, 70.0482



36.9663, 27.1720, 43.7704



22.9290, 27.1720, 8.7864



17.1845, 27.1720, 18.8535

Sweetspot

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



28.9587, 27.1730, 70.0489



74.9922, 77.6035, 105.6342



41.8765, 57.6820, 59.9469



15.4574, 15.9405, 22.5121



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.



28.9587, 27.1730, 70.0489



34.3370, 30.3128, 98.6489



30.0224, 23.1169, 69.2099



12.5837, 13.1071, 16.5188



8.3540, 4.5774, 40.1816



0.6074, 0.4289, 2.6252

Inverse Universe

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



39.7053, 29.0322, 27.9380



51.7754, 34.3353, 30.0905



49.5355, 62.3973, 25.6541



13.1797, 13.1010, 14.2077



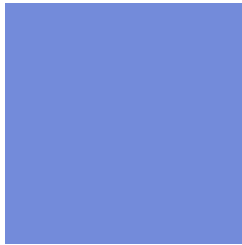
17.7120, 9.0859, 2.8637



1.1809, 0.6020, 0.3614

Previews

White Background



This preview shows how the XYZ color 28.9577, 27.1720, 70.0482 looks on a white background.

Color Contrast Check

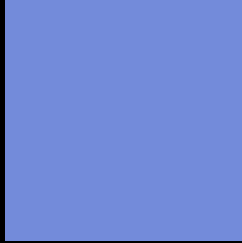
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9577, 27.1720, 70.0482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

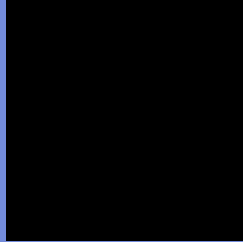
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.9577, 27.1720, 70.0482

Background



This preview shows how black text looks on a background with the XYZ color 28.9577, 27.1720, 70.0482.



This preview shows how white text looks on a background with the XYZ color 28.9577, 27.1720,

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

28.9577, 27.1720, 70.0482

Protanopia

28.8269, 27.1046, 70.0420

Deuteranopia

28.0231, 27.3590, 69.4495



Tritanopia

22.5735, 27.0740, 38.2185

Trichromacy



Original Color

28.9577, 27.1720, 70.0482

Protanomaly

28.8269, 27.1046, 70.0420

Deuteranomaly

28.3559, 27.3107, 69.4226

Tritanomaly

24.5481, 26.9384, 48.1618

Monochromacy



Original Color

28.9577, 27.1720, 70.0482

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.0552, 26.5263, 41.2829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9577, 27.1720, 70.0482 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(115, 139, 218)` looks like.

```
.text, #text, p{  
    color:rgb(115, 139, 218)  
}
```

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(115, 139, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 139, 218) }
```

Border

The CSS property to change the border of an element to XYZ 28.9577, 27.1720, 70.0482 is called "border". The border property can be set on classes, ids or directly on the HTML element.

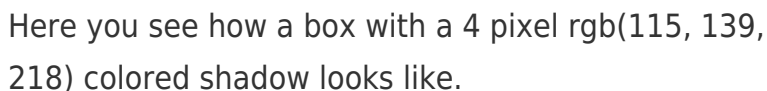
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 139, 218) }
```


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

```
.border{ border-color:rgb(115, 139, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 139, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 139, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 139, 218); box-shadow:4px 4px 4px 4px rgb(115, 139, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9577, 27.1720, 70.0482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 139, 218) }
```

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

```
.background{ background-color: rgb(115,  
139, 218) }
```

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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