

Converting Colors

XYZ(30.3416, 27.7794, 69.9901)

Have a look what the booklet for
XYZ(30.3416, 27.7794, 69.9901)
contains.

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Color

**XYZ(30.3476, 27.6745,
70.0719)**

Conversions

Conversions Part 1

Format	Color
Hex	7E8ADA
RGB	126, 138, 218
RGB Percent	49%, 54%, 85%
CMY	0.5059, 0.4588, 0.1451
CMYK	0.42, 0.37, 0.00, 0.15
HSL	232°, 55%, 67%
HSV	232°, 42%, 85%
XYZ	30.3476, 27.6745, 70.0719
YIQ	143.5320, -32.8320, 22.3360

Conversions

Conversions Part 2

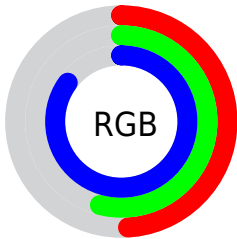
Format	Color
RYB	126, 137, 218
Decimal	8293082
CIELab	59.59, 15.91, -42.34
CIELCh	60, 45.229, 290.593
Yxy	27.6745, 0.2369, 0.2160
Android (android.graphics.Color)	4286483162 (0xFF7E8ADA)
YUV	143.5320, 36.7127, -15.3756
Hunter-Lab	52.6066, 10.9114, -42.1496

Details

The XYZ color **30.3476, 27.6745, 70.0719** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **54.7520, 60.5563, 28.5430**, and the grayscale version is **26.1890, 27.5529, 30.0051**.

A 20% lighter version of the original color is **55.9722, 54.4267, 102.1631**, and **12.6991, 10.9634, 36.0972** is the 20% darker color. If you saturate the color by 10%, you get **24.9899, 21.2217, 69.1093**, and if you desaturate by 10%, it is **36.8825, 35.4398, 71.2269**.

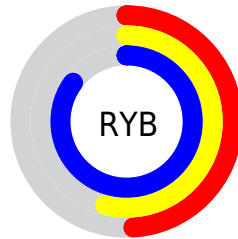
Distribution



Red (49%)

Green (54%)

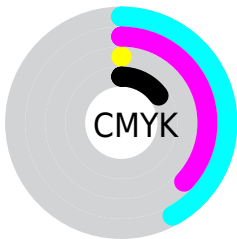
Blue (85%)



Red (49%)

Yellow (54%)

Blue (85%)

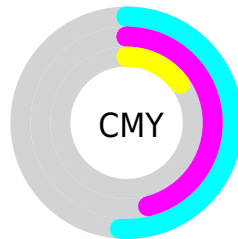


Cyan (42%)

Magenta (37%)

Yellow (0%)

Black (15%)



Cyan (51%)

Magenta (46%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3476, 27.6745, 70.0719 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 30.3476, 27.6745, 70.0719 by changing the saturation by 10% instead.

■ 30.3476, 27.6745,
70.0719

■ 30.3476, 27.6745,
70.0719

295.4022,
290.9083, 479.5984

■ 20.2520, 18.0804,
51.1080

■ 59.5943, 55.9643,
120.9934

■ 12.6877, 11.0078,
35.9172

■ 79.4761, 75.4289,
153.7880

■ 7.2893, 6.0721,
24.0811

■ 103.3506, 98.9524,
192.0299

■ 3.6916, 2.8889,
15.1810

131.5833,
126.9193, 236.1377

■ 1.5292, 1.0740,
8.7985

164.5394,
159.7140, 286.5299

■ 0.3456, 0.0000,
4.5150

202.5844,

■ 0.0000, 0.0000,

197.7207, 343.6251

1.9119

246.0835,
241.3240, 407.8417

■ 0.0000, 0.0000,
0.5003

■ 0.0000, 0.0000,
0.0000

■ 30.3476, 27.6745,
70.0719

■ 30.3476, 27.6745,
70.0719

■ 24.9899, 21.2217,
69.1093

■ 36.8825, 35.4398,
71.2269

■ 20.7355, 16.0052,
68.3266

■ 44.6561, 44.5819,
72.5817

■ 17.5074, 11.9459,
67.7133

■ 53.7295, 55.1644,
74.1461

■ 15.2164, 8.9537,
67.2565

■ 64.1587, 67.2461,
75.9285

■ 13.7580, 6.9248,
66.9417

■ 75.9964, 80.8826,
77.9367

■ 13.0805, 5.9130,
66.7821

■ 88.6252, 95.7825,
80.1470

■ 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.



24.5537, 27.6745, 72.8865



30.3476, 27.6745, 70.0719



35.7074, 27.6745, 54.7575

Triad

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



30.3476, 27.6745, 70.0719



33.8883, 27.6745, 11.8124



16.9097, 27.6745, 25.2905

Complementary

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



30.3476, 27.6745, 70.0719



54.7520, 60.5563, 28.5430

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.



18.7156, 27.6745, 14.2829



30.3476, 27.6745, 70.0719



28.1351, 27.6745, 8.5705

Square

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



30.3476, 27.6745, 70.0719



37.9478, 27.6745, 20.3910



22.6362, 27.6745, 9.2733



17.3246, 27.6745, 42.5681

Rectangle

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



30.3476, 27.6745, 70.0719



38.0468, 27.6745, 41.8050



22.6362, 27.6745, 9.2733



17.2660, 27.6745, 20.8647

Sweetspot

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



30.3486, 27.6755, 70.0726



75.3717, 77.2129, 105.5388



44.7848, 59.0225, 67.2557



15.4890, 15.7776, 22.4790



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.



30.3486, 27.6755, 70.0726



36.1598, 30.8955, 98.6653



34.5610, 27.4313, 69.8034



12.4749, 12.8895, 16.4826



7.8804, 3.6302, 40.0238



0.5561, 0.3264, 2.6081

Inverse Universe

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



40.9627, 31.6635, 27.9982



53.4430, 37.8649, 30.0477



48.6694, 61.8733, 29.1178



13.1248, 13.0790, 13.9185



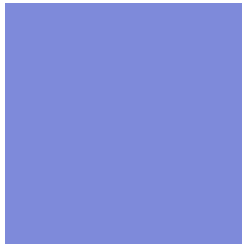
17.4730, 8.9902, 1.6048



1.1550, 0.5916, 0.2252

Previews

White Background



This preview shows how the XYZ color 30.3476, 27.6745, 70.0719 looks on a white background.

Color Contrast Check

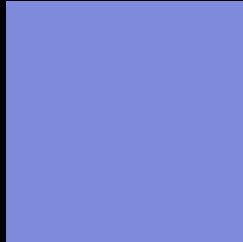
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3476, 27.6745, 70.0719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

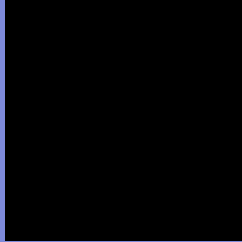
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3476, 27.6745, 70.0719

Background



This preview shows how black text looks on a background with the XYZ color 30.3476, 27.6745, 70.0719.



This preview shows how white text looks on a background with the XYZ color 30.3476, 27.6745,

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

30.3476, 27.6745, 70.0719

Protanopia

29.5134, 27.8619, 71.5325

Deuteranopia

28.5312, 27.8428, 69.5161



Tritanopia

23.9835, 27.8008, 38.2845

Trichromacy



Original Color

30.3476, 27.6745, 70.0719

Protanomaly

29.7720, 27.7926, 70.8132

Deuteranomaly

29.1195, 27.7043, 69.4584

Tritanomaly

25.9248, 27.6482, 48.2262

Monochromacy



Original Color

30.3476, 27.6745, 70.0719

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.3402, 27.6046, 42.4153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3476, 27.6745, 70.0719 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(126, 138, 218)` looks like.

```
.text, #text, p{  
    color:rgb(126, 138, 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(126, 138, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 138, 218) }
```

Border

The CSS property to change the border of an element to XYZ 30.3476, 27.6745, 70.0719 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(126, 138, 218) }
```


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

```
.border{ border-color:rgb(126, 138, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 138, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 138, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 138, 218);  
box-shadow:4px 4px 4px 4px rgb(126, 138,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3476, 27.6745, 70.0719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 138, 218) }
```

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

```
.background{ background-color: rgb(126,  
138, 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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