

Converting Colors

XYZ(16.7639, 15.7162, 29.7945)

Have a look what the booklet for
XYZ(16.7639, 15.7162, 29.7945)
contains.

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Color

**XYZ(16.7272, 15.6659,
29.7460)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6A93
RGB	109, 106, 147
RGB Percent	43%, 42%, 58%
CMY	0.5725, 0.5843, 0.4235
CMYK	0.26, 0.28, 0.00, 0.42
HSL	244°, 16%, 50%
HSV	244°, 28%, 58%
XYZ	16.7272, 15.6659, 29.7460
YIQ	111.5710, -11.3730, 13.3870

Conversions

Conversions Part 2

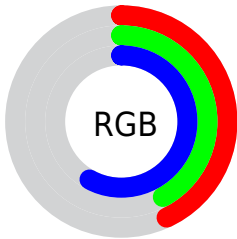
Format	Color
R _{YB}	109, 106, 147
Decimal	7170707
CIE _{Lab}	46.53, 10.66, -21.96
CIE _{LCh}	47, 24.408, 295.893
Yxy	15.6659, 0.2692, 0.2521
Android (android.graphics.Color)	4285360787 (0xFF6D6A93)
YUV	111.5710, 17.4665, -2.2548
Hunter-Lab	39.5802, 6.1716, -16.8526

Details

The XYZ color **16.7272, 15.6659, 29.7460** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.5373, 27.8377, 17.7163**, and the grayscale version is **15.2290, 16.0221, 17.4481**.

A 20% lighter version of the original color is **37.2975, 35.9081, 60.2235**, and **5.5388, 4.9331, 11.7266** is the 20% darker color. If you saturate the color by 10%, you get **13.7921, 12.0937, 29.2115**, and if you desaturate by 10%, it is **20.1829, 19.8926, 30.3800**.

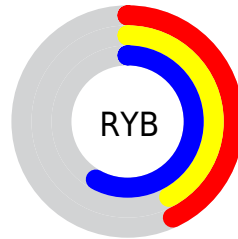
Distribution



Red (43%)

Green (42%)

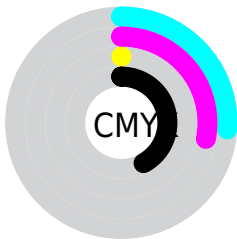
Blue (58%)



Red (43%)

Yellow (42%)

Blue (58%)

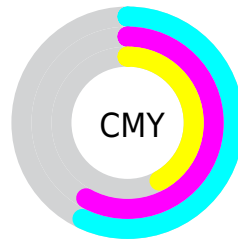


Cyan (26%)

Magenta (28%)

Yellow (0%)

Black (42%)



Cyan (57%)

Magenta (58%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7272, 15.6659, 29.7460 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 16.7272, 15.6659, 29.7460 by changing the saturation by 10% instead.

■ 16.7272, 15.6659,
29.7460

■ 16.7272, 15.6659,
29.7460

226.7824,
227.3621, 314.8891

■ 10.1343, 9.2880,
19.3955

■ 37.4035, 36.0172,
60.3165

■ 5.5510, 4.9295,
11.7767

■ 52.2176, 50.7595,
81.3736

■ 2.6121, 2.2060,
6.4711

■ 70.5027, 69.0586,
106.8365

■ 0.9521, 0.7233,
3.0602

■ 92.6243, 91.2991,
137.1240

■ 0.0000, 0.0000,
1.1255

118.9477,
117.8653, 172.6544

■ 0.0000, 0.0000,
0.0000

149.8383,

149.1416, 213.8464

185.6614,
185.5124, 261.1184

■ 16.7272, 15.6659,
29.7460

■ 16.7272, 15.6659,
29.7460

■ 13.7921, 12.0937,
29.2115

■ 20.1829, 19.8926,
30.3800

■ 11.3509, 9.1417,
28.7703

■ 24.1810, 24.8024,
31.1169

■ 9.3767, 6.7748,
28.4175

■ 28.7441, 30.4244,
31.9616

■ 7.8396, 4.9541,
28.1471

■ 33.8930, 36.7852,
32.9180

■ 6.7063, 3.6358,
27.9524

■ 39.6476, 43.9106,
33.9900

■ 5.9384, 2.7693,
27.8256

■ 46.0265, 51.8245,
35.1813

■ 5.4756, 2.2644,
27.7525

■ 53.0478, 60.5503,
36.4955

■ 5.4013, 2.1761,
27.7394

■ 60.7287, 70.1101,
37.9359

■ 69.0860, 80.5252,
39.5058

Harmonies

Analogous

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



14.6021, 15.6659, 31.4182



16.7272, 15.6659, 29.7460



18.4967, 15.6659, 24.4132

Triad

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



16.7272, 15.6659, 29.7460



17.2753, 15.6659, 9.1510



11.2087, 15.6659, 16.2412

Complementary

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



16.7272, 15.6659, 29.7460



24.5373, 27.8377, 17.7163

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.



11.7855, 15.6659, 11.3512



16.7272, 15.6659, 29.7460



15.1816, 15.6659, 7.9152

Square

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



16.7272, 15.6659, 29.7460



18.8335, 15.6659, 12.4822



13.1924, 15.6659, 8.6141



11.5394, 15.6659, 22.6331

Rectangle

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



16.7272, 15.6659, 29.7460



19.1677, 15.6659, 20.0398



13.1924, 15.6659, 8.6141



11.3013, 15.6659, 14.3868

Sweetspot

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



16.7277, 15.6665, 29.7464



43.0943, 44.1589, 55.6868



21.2245, 25.1986, 31.3492



9.5951, 9.7824, 12.6673



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.7277, 15.6665, 29.7464



26.8028, 24.2135, 52.6956



19.5098, 17.1007, 29.8766



5.5365, 5.6520, 7.2689



4.6919, 1.8913, 24.0488



0.0652, 0.0272, 0.2947

Inverse Universe

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



22.2212, 18.5254, 28.7907



38.2163, 30.1552, 50.6141



21.3142, 26.1762, 17.5655



6.0172, 5.9019, 7.1967



14.3034, 6.9264, 20.8763



0.1795, 0.0865, 0.2787

Previews

White Background



This preview shows how the XYZ color 16.7272, 15.6659, 29.7460 looks on a white 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

Black Background



This preview shows how the XYZ color 16.7272, 15.6659, 29.7460 looks on a black 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

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

XYZ 16.7272, 15.6659, 29.7460

Background



This preview shows how black text looks on a background with the XYZ color 16.7272, 15.6659, 29.7460.



This preview shows how white text looks on a background with the XYZ color 16.7272, 15.6659,

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

16.7272, 15.6659, 29.7460

Protanopia

16.0390, 15.7599, 30.6304

Deuteranopia

16.0238, 15.7793, 29.3953



Tritanopia

14.7835, 15.6680, 20.0144

Trichromacy



Original Color

16.7272, 15.6659, 29.7460

Protanomaly

16.3014, 15.7468, 30.1972

Deuteranomaly

16.2598, 15.7435, 29.3759

Tritanomaly

15.4418, 15.6132, 23.3189

Monochromacy



Original Color

16.7272, 15.6659, 29.7460

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8331, 16.0120, 21.6582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7272, 15.6659, 29.7460 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(109, 106, 147)` looks like.

```
.text, #text, p{  
    color:rgb(109, 106, 147)  
}
```

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(109, 106, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 106, 147) }
```

Border

The CSS property to change the border of an element to XYZ 16.7272, 15.6659, 29.7460 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(109, 106, 147) }
```


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

```
.border{ border-color:rgb(109, 106, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 106, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 106, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 106, 147);  
box-shadow:4px 4px 4px 4px rgb(109, 106,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7272, 15.6659, 29.7460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 106, 147) }
```

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

```
.background{ background-color: rgb(109,  
106, 147) }
```

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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