

Converting Colors

XYZ(16.8047, 17.7308, 31.0934)

Have a look what the booklet for
XYZ(16.8047, 17.7308, 31.0934)
contains.

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Color

**XYZ(16.7271, 17.6136,
30.9519)**

Conversions

Conversions Part 1

Format	Color
Hex	607695
RGB	96, 118, 149
RGB Percent	38%, 46%, 58%
CMY	0.6235, 0.5372, 0.4157
CMYK	0.36, 0.21, 0.00, 0.42
HSL	215°, 22%, 48%
HSV	215°, 36%, 58%
XYZ	16.7271, 17.6136, 30.9519
YIQ	114.9560, -23.0630, 4.9770

Conversions

Conversions Part 2

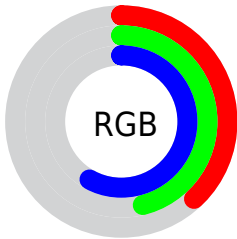
Format	Color
R _Y B	96, 112, 149
Decimal	6321813
CIE Lab	49.02, -0.08, -19.39
CIE LCh	49, 19.394, 269.767
Yxy	17.6136, 0.2562, 0.2698
Android (android.graphics.Color)	4284511893 (0xFF607695)
YUV	114.9560, 16.7837, -16.6244
Hunter-Lab	41.9686, -2.3015, -14.3485

Details

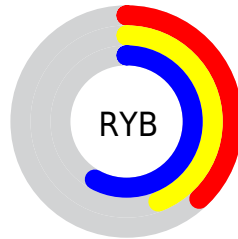
The XYZ color **16.7271, 17.6136, 30.9519** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.0954, 22.4130, 14.2284**, and the grayscale version is **16.2386, 17.0843, 18.6047**.

A 20% lighter version of the original color is **37.3670, 39.3571, 62.1272**, and **5.5671, 5.8665, 12.3942** is the 20% darker color. If you saturate the color by 10%, you get **14.3263, 14.9225, 30.5593**, and if you desaturate by 10%, it is **19.5210, 20.6489, 31.3908**.

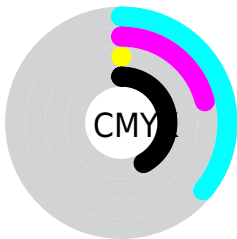
Distribution



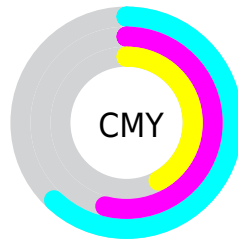
- Red (38%)
- Green (46%)
- Blue (58%)



- Red (38%)
- Yellow (44%)
- Blue (58%)



- Cyan (36%)
- Magenta (21%)
- Yellow (0%)
- Black (42%)



- Cyan (62%)
- Magenta (54%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7271, 17.6136, 30.9519 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 16.7271, 17.6136, 30.9519 by changing the saturation by 10% instead.

■ 16.7271, 17.6136,
30.9519

■ 16.7271, 17.6136,
30.9519

226.7818,
238.6840, 320.6610

■ 10.1342, 10.6729,
20.3041

■ 37.4033, 39.3778,
62.2430

■ 5.5510, 5.8474,
12.4300

■ 52.2173, 54.9701,
83.7234

■ 2.6121, 2.7525,
6.9112

■ 70.5025, 74.2151,
109.6517

■ 0.9521, 1.0039,
3.3290

■ 92.6240, 97.4972,
140.4465

■ 0.0000, 0.0000,
1.2650

118.9474,
125.2007, 176.5262

■ 0.0000, 0.0000,
0.0328

149.8379,

■ 0.0000, 0.0000,

157.7101, 218.3095

0.0000

185.6609,
195.4097, 266.2150

■ 16.7271, 17.6136,
30.9519

■ 16.7271, 17.6136,
30.9519

■ 14.3263, 14.9225,
30.5593

■ 19.5210, 20.6489,
31.3908

■ 12.2976, 12.5598,
30.2102

■ 22.7243, 24.0393,
31.8764

■ 10.6202, 10.5113,
29.9032

■ 26.3544, 27.7977,
32.4105

■ 9.2707, 8.7607,
29.6364

■ 30.4270, 31.9356,
32.9946

■ 8.2223, 7.2898,
29.4078

■ 34.9572, 36.4639,
33.6299

■ 7.4390, 6.0755,
29.2147

■ 39.9592, 41.3933,
34.3177

■ 7.1394, 5.5991,
29.1385

■ 45.4466, 46.7339,
35.0593

■ 51.4325, 52.4953,
35.8559

■ 57.9295, 58.6869,
36.7086

Harmonies

Analogous

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



15.0516, 17.6136, 29.1266



16.7271, 17.6136, 30.9519



18.5265, 17.6136, 29.1800

Triad

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



16.7271, 17.6136, 30.9519



19.9427, 17.6136, 14.6491



13.9146, 17.6136, 14.5907

Complementary

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



16.7271, 17.6136, 30.9519



22.0954, 22.4130, 14.2284

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.



15.0744, 17.6136, 11.7711



16.7271, 17.6136, 30.9519



18.5527, 17.6136, 11.8003

Square

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



16.7271, 17.6136, 30.9519



20.4624, 17.6136, 19.2186



16.7553, 17.6136, 10.8479



13.5009, 17.6136, 19.1379

Rectangle

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



16.7271, 17.6136, 30.9519



19.5369, 17.6136, 26.3516



16.7553, 17.6136, 10.8479



14.2258, 17.6136, 13.4413

Sweetspot

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



16.7277, 17.6143, 30.9523



43.4257, 45.8940, 57.4909



19.3971, 25.5122, 23.9527



9.4532, 9.9937, 12.7156



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, 17.6143, 30.9523



26.3381, 27.4998, 54.8411



14.9099, 13.2693, 30.2095



5.6854, 6.0049, 7.3291



6.0368, 4.7685, 24.5333



0.1018, 0.1143, 0.3096

Inverse Universe

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



19.8478, 16.0638, 19.1948



32.9386, 24.7417, 29.8514



24.4629, 28.3217, 15.2441



5.8947, 5.8529, 6.5515



11.1742, 5.6747, 4.3983



0.1509, 0.0751, 0.1281

Previews

White Background



This preview shows how the XYZ color 16.7271, 17.6136, 30.9519 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 16.7271, 17.6136, 30.9519 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

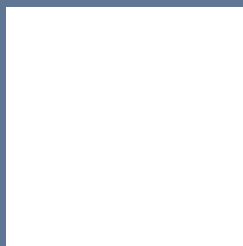
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7271, 17.6136, 30.9519

Background



This preview shows how black text looks on a background with the XYZ color 16.7271, 17.6136, 30.9519.

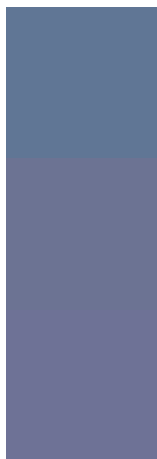


This preview shows how white text looks on a background with the XYZ color 16.7271, 17.6136,

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

16.7271, 17.6136, 30.9519

Protanopia

17.5815, 17.5562, 30.0658

Deuteranopia

17.9527, 17.5516, 31.2958



Tritanopia

15.3477, 17.5887, 24.0588

Trichromacy



Original Color

16.7271, 17.6136, 30.9519

Protanomaly

17.2996, 17.5720, 30.4969

Deuteranomaly

17.4615, 17.4667, 31.3053

Tritanomaly

15.8181, 17.5951, 26.6072

Monochromacy



Original Color

16.7271, 17.6136, 30.9519

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2605, 17.2112, 22.5438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7271, 17.6136, 30.9519 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(96, 118, 149) looks like.

```
.text, #text, p{  
    color:rgb(96, 118, 149)  
}
```

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(96, 118, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 118, 149) }
```

Border

The CSS property to change the border of an element to XYZ 16.7271, 17.6136, 30.9519 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(96, 118, 149) }
```


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

```
.border{ border-color:rgb(96, 118, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 118, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 118, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 118, 149);  
box-shadow:4px 4px 4px 4px rgb(96, 118,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7271, 17.6136, 30.9519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 118, 149) }
```

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

```
.background{ background-color: rgb(96, 118,  
149) }
```

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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