

Converting Colors

XYZ(16.6228, 16.9787, 30.6475)

Have a look what the booklet for
XYZ(16.6228, 16.9787, 30.6475)
contains.

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Color

**XYZ(16.7011, 17.0840,
30.8511)**

Conversions

Conversions Part 1

Format	Color
Hex	637395
RGB	99, 115, 149
RGB Percent	39%, 45%, 58%
CMY	0.6118, 0.5490, 0.4157
CMYK	0.34, 0.23, 0.00, 0.42
HSL	221°, 20%, 49%
HSV	221°, 34%, 58%
XYZ	16.7011, 17.0840, 30.8511
YIQ	114.0920, -20.4500, 7.1820

Conversions

Conversions Part 2

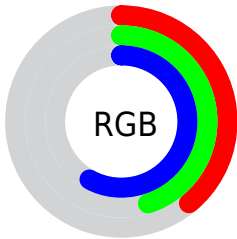
Format	Color
R_{YB}	99, 111, 149
Decimal	6517653
CIE _{Lab}	48.37, 2.61, -20.39
CIE _{LCh}	48, 20.553, 277.306
Yxy	17.0840, 0.2584, 0.2643
Android (android.graphics.Color)	4284707733 (0xFF637395)
YUV	114.0920, 17.2096, -13.2357
Hunter-Lab	41.3328, -0.2069, -15.3215

Details

The XYZ color **16.7011, 17.0840, 30.8511** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.0344, 24.0658, 15.2360**, and the grayscale version is **15.9766, 16.8086, 18.3046**.

A 20% lighter version of the original color is **37.3607, 38.5285, 61.9675**, and **5.5272, 5.5743, 12.3399** is the 20% darker color. If you saturate the color by 10%, you get **14.1285, 14.1362, 30.4180**, and if you desaturate by 10%, it is **19.7022, 20.4420, 31.3414**.

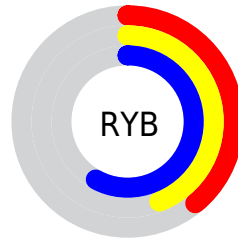
Distribution



Red (39%)

Green (45%)

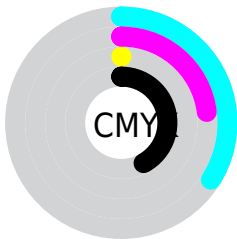
Blue (58%)



Red (39%)

Yellow (44%)

Blue (58%)

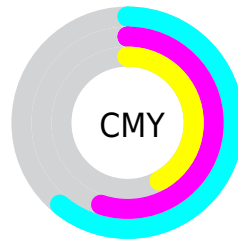


Cyan (34%)

Magenta (23%)

Yellow (0%)

Black (42%)



Cyan (61%)

Magenta (55%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7011, 17.0840, 30.8511 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 16.7011, 17.0840, 30.8511 by changing the saturation by 10% instead.

■ 16.7011, 17.0840,
30.8511

■ 16.7011, 17.0840,
30.8511

226.6339,
235.6560, 320.1817

■ 10.1156, 10.2944,
20.2280

■ 37.3588, 38.4701,
62.0824

■ 5.5385, 5.5946,
12.3752

■ 52.1618, 53.8355,
83.5276

■ 2.6045, 2.6002,
6.8741

■ 70.4346, 72.8282,
109.4174

■ 0.9483, 0.9268,
3.3062

■ 92.5426, 95.8326,
140.1701

■ 0.0000, 0.0000,
1.2530

118.8512,
123.2333, 176.2043

■ 0.0000, 0.0000,
0.0228

149.7257,

■ 0.0000, 0.0000,

155.4144, 217.9386

0.0000

185.5315,
192.7605, 265.7916

■ 16.7011, 17.0840,
30.8511

■ 16.7011, 17.0840,
30.8511

■ 14.1285, 14.1362,
30.4180

■ 19.7022, 20.4420,
31.3414

■ 11.9621, 11.5799,
30.0388

■ 23.1492, 24.2238,
31.8897

■ 10.1800, 9.3978,
29.7115

■ 27.0608, 28.4451,
32.4983

■ 8.7575, 7.5703,
29.4338

■ 31.4539, 33.1197,
33.1690

■ 7.6664, 6.0759,
29.2028

■ 36.3445, 38.2611,
33.9037

■ 6.8741, 4.8899,
29.0156

■ 41.7481, 43.8822,
34.7039

■ 6.4689, 4.2579,
28.9150

■ 47.6791, 49.9953,
35.5712

■ 54.1518, 56.6123,
36.5073

■ 61.1796, 63.7446,
37.5135

Harmonies

Analogous

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



14.8850, 17.0840, 29.8584



16.7011, 17.0840, 30.8511



18.5246, 17.0840, 28.0926

Triad

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



16.7011, 17.0840, 30.8511



19.2807, 17.0840, 13.0145



13.1309, 17.0840, 14.8924

Complementary

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



16.7011, 17.0840, 30.8511



23.0344, 24.0658, 15.2360

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.



14.1474, 17.0840, 11.5325



16.7011, 17.0840, 30.8511



17.6703, 17.0840, 10.6030

Square

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



16.7011, 17.0840, 30.8511



20.0867, 17.0840, 17.3179



15.7832, 17.0840, 10.1182



12.9150, 17.0840, 19.9471

Rectangle

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



16.7011, 17.0840, 30.8511



19.4681, 17.0840, 24.7611



15.7832, 17.0840, 10.1182



13.3863, 17.0840, 13.5589

Sweetspot

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



16.7017, 17.0847, 30.8515



43.7115, 45.8272, 57.4629



20.0812, 25.8230, 25.8760



9.4959, 9.9489, 12.7047



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.



16.7017, 17.0847, 30.8515



26.4926, 26.6938, 54.6774



15.9907, 14.2406, 30.3400



5.6420, 5.9180, 7.3147



5.4689, 3.6325, 24.3439



0.0913, 0.0932, 0.3061

Inverse Universe

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



19.9512, 16.5515, 18.3635



33.2888, 25.9240, 28.4827



23.9279, 28.0297, 15.9540



5.8727, 5.8442, 6.4360



10.8875, 5.5601, 2.8887



0.1456, 0.0730, 0.1001

Previews

White Background



This preview shows how the XYZ color 16.7011, 17.0840, 30.8511 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 16.7011, 17.0840, 30.8511 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

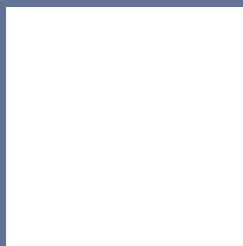
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7011, 17.0840, 30.8511

Background



This preview shows how black text looks on a background with the XYZ color 16.7011, 17.0840, 30.8511.

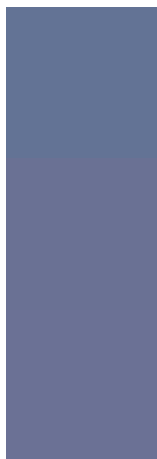


This preview shows how white text looks on a background with the XYZ color 16.7011, 17.0840,

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

16.7011, 17.0840, 30.8511

Protanopia

17.1943, 17.0125, 30.3945

Deuteranopia

17.3933, 17.1060, 30.8188



Tritanopia

15.1092, 17.1318, 22.9325

Trichromacy



Original Color

16.7011, 17.0840, 30.8511

Protanomaly

16.9561, 17.0563, 30.4155

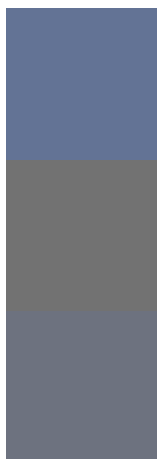
Deuteranomaly

17.1510, 17.1476, 30.8396

Tritanomaly

15.7462, 17.2212, 25.7867

Monochromacy



Original Color

16.7011, 17.0840, 30.8511

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1548, 16.8181, 22.4735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7011, 17.0840, 30.8511 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(99, 115, 149)` looks like.

```
.text, #text, p{  
    color:rgb(99, 115, 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(99, 115, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 115, 149) }
```

Border

The CSS property to change the border of an element to XYZ 16.7011, 17.0840, 30.8511 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(99, 115, 149) }
```


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

```
.border{ border-color:rgb(99, 115, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 115, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 115, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 115, 149);  
box-shadow:4px 4px 4px 4px rgb(99, 115,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7011, 17.0840, 30.8511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 115, 149) }
```

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

```
.background{ background-color: rgb(99, 115,  
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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