

Converting Colors

XYZ(17.0919, 16.7394, 40.3607)

Have a look what the booklet for
XYZ(17.0919, 16.7394, 40.3607)
contains.

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Color

**XYZ(17.0913, 16.7388,
40.3603)**

Conversions

Conversions Part 1

Format	Color
Hex	5771AA
RGB	87, 113, 170
RGB Percent	34%, 44%, 67%
CMY	0.6588, 0.5569, 0.3333
CMYK	0.49, 0.34, 0.00, 0.33
HSL	221°, 33%, 50%
HSV	221°, 49%, 67%
XYZ	17.0913, 16.7388, 40.3603
YIQ	111.7240, -33.7930, 12.2150

Conversions

Conversions Part 2

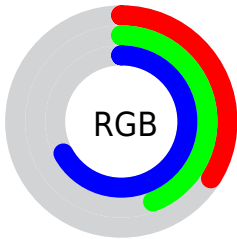
Format	Color
R _Y B	87, 107, 170
Decimal	5730730
CIE Lab	47.93, 6.66, -33.45
CIE LCh	48, 34.102, 281.261
Yxy	16.7388, 0.2304, 0.2256
Android (android.graphics.Color)	4283920810 (0xFF5771AA)
YUV	111.7240, 28.7301, -21.6829
Hunter-Lab	40.9131, 2.9699, -29.8498

Details

The XYZ color **17.0913, 16.7388, 40.3603** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.2717, 29.1815, 13.1601**, and the grayscale version is **15.2466, 16.0406, 17.4682**.

A 20% lighter version of the original color is **38.1671, 38.0640, 77.2870**, and **5.7242, 5.4721, 17.5841** is the 20% darker color. If you saturate the color by 10%, you get **14.4673, 13.5755, 39.8884**, and if you desaturate by 10%, it is **20.2579, 20.4311, 40.9064**.

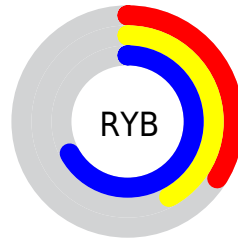
Distribution



Red (34%)

Green (44%)

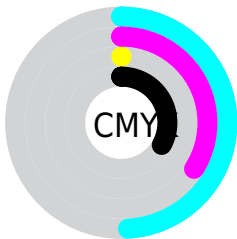
Blue (67%)



Red (34%)

Yellow (42%)

Blue (67%)

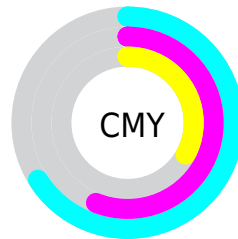


Cyan (49%)

Magenta (34%)

Yellow (0%)

Black (33%)



Cyan (66%)

Magenta (56%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0913, 16.7388, 40.3603 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 17.0913, 16.7388, 40.3603 by changing the saturation by 10% instead.

■ 17.0913, 16.7388,
40.3603

■ 17.0913, 16.7388,
40.3603

228.8440,
233.6626, 363.2370

■ 10.3953, 10.0484,
27.5037

■ 38.0250, 37.8761,
76.9549

■ 5.7261, 5.4311,
17.7161

■ 52.9935, 53.0919,
101.5300

■ 2.7183, 2.5023,
10.5790

■ 71.4502, 71.9182,
130.8483

■ 1.0066, 0.8778,
5.6739

■ 93.7604, 94.7396,
165.3283

■ 0.0000, 0.0000,
2.5823

120.2895,
121.9403, 205.3887

■ 0.0000, 0.0000,
0.8833

151.4029,

■ 0.0000, 0.0000,

153.9048, 251.4479

0.0000

187.4660,
191.0174, 303.9245

■ 17.0913, 16.7388,
40.3603

■ 17.0913, 16.7388,
40.3603

■ 14.4673, 13.5755,
39.8884

■ 20.2579, 20.4311,
40.9064

■ 12.3510, 10.9131,
39.4860

■ 23.9952, 24.6751,
41.5286

■ 10.7062, 8.7230,
39.1499

■ 28.3317, 29.4940,
42.2302

■ 9.4903, 6.9727,
38.8762

■ 33.2932, 34.9095,
43.0140

■ 8.6294, 5.6124,
38.6590

■ 38.9039, 40.9416,
43.8826

■ 8.5404, 5.4715,
38.6365

■ 45.1870, 47.6097,
44.8385

■ 52.1642, 54.9322,
45.8842

■ 59.8564, 62.9268,
47.0218

■ 68.2834, 71.6104,
48.2538

Harmonies

Analogous

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



14.0866, 16.7388, 39.3979



17.0913, 16.7388, 40.3603



20.1318, 16.7388, 34.1291

Triad

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



17.0913, 16.7388, 40.3603



20.7759, 16.7388, 9.1908



10.9460, 16.7388, 13.3133

Complementary

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



17.0913, 16.7388, 40.3603



28.2717, 29.1815, 13.1601

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.



12.3235, 16.7388, 8.2374



17.0913, 16.7388, 40.3603



17.8838, 16.7388, 6.4410

Square

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



17.0913, 16.7388, 40.3603



22.4344, 16.7388, 15.1178



14.7839, 16.7388, 6.1598



10.7913, 16.7388, 21.7328

Rectangle

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



17.0913, 16.7388, 40.3603



21.6713, 16.7388, 27.6297



14.7839, 16.7388, 6.1598



11.2722, 16.7388, 11.2418

Sweetspot

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



17.0919, 16.7394, 40.3607



54.4677, 56.8754, 77.1092



23.3182, 32.7811, 31.3712



11.7485, 12.2471, 17.1324



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.0919, 16.7394, 40.3607



25.7208, 23.9795, 72.2748



16.1687, 12.5569, 39.6021



7.3164, 7.6698, 9.5131



6.3273, 4.1147, 28.4362



0.1992, 0.1907, 0.7069

Inverse Universe

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



22.9669, 16.5554, 17.6084



37.9779, 24.6458, 24.5708



29.5715, 36.3851, 14.4820



7.6243, 7.5796, 8.3388



12.6943, 6.4864, 3.2018



0.3317, 0.1670, 0.1982

Previews

White Background



This preview shows how the XYZ color 17.0913, 16.7388, 40.3603 looks on a white background.

Color Contrast Check

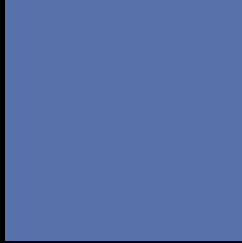
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0913, 16.7388, 40.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

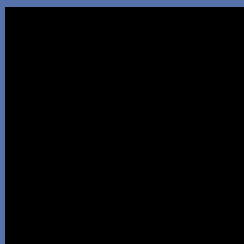
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

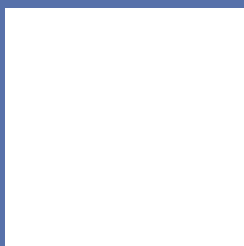
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0913, 16.7388, 40.3603

Background



This preview shows how black text looks on a background with the XYZ color 17.0913, 16.7388, 40.3603.

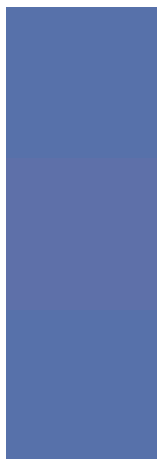


This preview shows how white text looks on a background with the XYZ color 17.0913, 16.7388,

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

17.0913, 16.7388, 40.3603

Protanopia

17.5717, 16.8326, 39.8590

Deuteranopia

17.0913, 16.7388, 40.3603



Tritanopia

13.8358, 16.8093, 23.9880

Trichromacy



Original Color

17.0913, 16.7388, 40.3603

Protanomaly

17.2700, 16.6771, 39.8449

Deuteranomaly

17.0913, 16.7388, 40.3603

Tritanomaly

14.8137, 16.6635, 29.2237

Monochromacy



Original Color

17.0913, 16.7388, 40.3603

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.6213, 16.1654, 24.4872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0913, 16.7388, 40.3603 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(87, 113, 170)` looks like.

```
.text, #text, p{  
    color:rgb(87, 113, 170)  
}
```

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(87, 113, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 170) }
```

Border

The CSS property to change the border of an element to XYZ 17.0913, 16.7388, 40.3603 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(87, 113, 170) }
```


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

```
.border{ border-color:rgb(87, 113, 170) }
```

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

Here you see how a box with a 4 pixel rgb(87, 113, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 170);  
box-shadow:4px 4px 4px 4px rgb(87, 113,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0913, 16.7388, 40.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 170) }
```

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

```
.background{ background-color: rgb(87, 113,  
170) }
```

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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