

Converting Colors

XYZ(18.1881, 17.0051, 38.2565)

Have a look what the booklet for
XYZ(18.1881, 17.0051, 38.2565)
contains.

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Color

**XYZ(18.2763, 17.0651,
38.4070)**

Conversions

Conversions Part 1

Format	Color
Hex	686FA6
RGB	104, 111, 166
RGB Percent	41%, 44%, 65%
CMY	0.5921, 0.5647, 0.3490
CMYK	0.37, 0.33, 0.00, 0.35
HSL	233°, 26%, 53%
HSV	233°, 37%, 65%
XYZ	18.2763, 17.0651, 38.4070
YIQ	115.1770, -21.8270, 15.6210

Conversions

Conversions Part 2

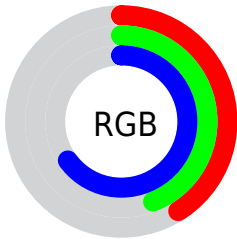
Format	Color
R_{YB}	104, 110, 166
Decimal	6844326
CIE Lab	48.34, 11.26, -30.38
CIE LCh	48, 32.397, 290.334
Yxy	17.0651, 0.2478, 0.2314
Android (android.graphics.Color)	4285034406 (0xFF686FA6)
YUV	115.1770, 25.0557, -9.8022
Hunter-Lab	41.3099, 6.6794, -26.2066

Details

The XYZ color **18.2763, 17.0651, 38.4070** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.6232, 33.9034, 18.0275**, and the grayscale version is **16.2810, 17.1288, 18.6533**.

A 20% lighter version of the original color is **40.0530, 38.5829, 73.7428**, and **6.3389, 5.6386, 16.6738** is the 20% darker color. If you saturate the color by 10%, you get **15.0593, 13.2151, 37.8337**, and if you desaturate by 10%, it is **22.1387, 21.6418, 39.0871**.

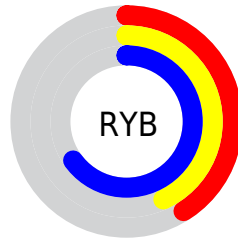
Distribution



Red (41%)

Green (44%)

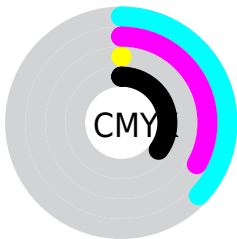
Blue (65%)



Red (41%)

Yellow (43%)

Blue (65%)

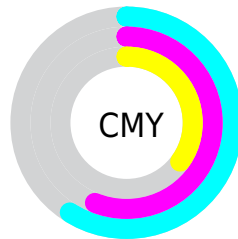


Cyan (37%)

Magenta (33%)

Yellow (0%)

Black (35%)



Cyan (59%)

Magenta (56%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2763, 17.0651, 38.4070 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 18.2763, 17.0651, 38.4070 by changing the saturation by 10% instead.

■ 18.2763, 17.0651,
38.4070

■ 18.2763, 17.0651,
38.4070

235.4394,
235.5473, 354.7131

■ 11.2494, 10.2809,
25.9944

■ 40.0340, 38.4377,
73.9419

■ 6.3034, 5.5856,
16.5938

■ 55.4955, 53.7948,
97.9013

■ 3.0728, 2.5948,
9.7864

■ 74.4993, 72.7785,
126.5467

■ 1.1924, 0.9240,
5.1538

■ 97.4106, 95.7730,
160.2967

■ 0.1004, 0.0000,
2.2775

124.5950,
123.1627, 199.5698

■ 0.0000, 0.0000,
0.7186

156.4177,

■ 0.0000, 0.0000,

155.3320, 244.7845

0.0000

193.2440,
192.6654, 296.3594

■ 18.2763, 17.0651,
38.4070

■ 18.2763, 17.0651,
38.4070

■ 15.0593, 13.2151,
37.8337

■ 22.1387, 21.6418,
39.0871

■ 12.4505, 10.0523,
37.3608

■ 26.6774, 26.9779,
39.8779

■ 10.4119, 7.5365,
36.9826

■ 31.9233, 33.1066,
40.7844

■ 8.9001, 5.6225,
36.6928

■ 37.9050, 40.0585,
41.8109

■ 7.8655, 4.2591,
36.4842

■ 44.6494, 47.8626,
42.9618

■ 7.2375, 3.3804,
36.3477

■ 52.1821, 56.5464,
44.2409

■ 7.1115, 3.2102,
36.3215

■ 60.5277, 66.1364,
45.6521

■ 69.7093, 76.6575,
47.1990

■ 79.7494, 88.1343,
48.8851

Harmonies

Analogous

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



15.2841, 17.0651, 39.6921



18.2763, 17.0651, 38.4070



21.0006, 17.0651, 31.0294

Triad

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



18.2763, 17.0651, 38.4070



20.1254, 17.0651, 8.6558



11.2369, 17.0651, 15.9795

Complementary

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



18.2763, 17.0651, 38.4070



30.6232, 33.9034, 18.0275

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.



12.2260, 17.0651, 10.0066



18.2763, 17.0651, 38.4070



17.1931, 17.0651, 6.7098

Square

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



18.2763, 17.0651, 38.4070



22.1549, 17.0651, 13.4789



14.3238, 17.0651, 7.1149



11.4524, 17.0651, 24.8312

Rectangle

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



18.2763, 17.0651, 38.4070



22.1828, 17.0651, 24.6156



14.3238, 17.0651, 7.1149



11.4345, 17.0651, 13.6233

Sweetspot

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



18.2769, 17.0657, 38.4074



54.1103, 55.6213, 73.3594



25.5834, 32.7110, 37.6607



11.8311, 12.1226, 16.3685



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.2769, 17.0657, 38.4074



28.1413, 24.9586, 68.8096



20.7009, 17.2257, 38.3105



7.1975, 7.4319, 9.4735



5.5332, 2.5265, 28.1715



0.1549, 0.1019, 0.6922

Inverse Universe

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



23.5460, 19.1560, 17.4960



39.2075, 29.5754, 24.8401



27.3308, 34.0438, 18.2281



7.5643, 7.5556, 8.0227



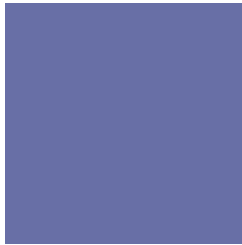
12.2935, 6.3261, 1.0911



0.3093, 0.1580, 0.0803

Previews

White Background



This preview shows how the XYZ color 18.2763, 17.0651, 38.4070 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 18.2763, 17.0651, 38.4070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

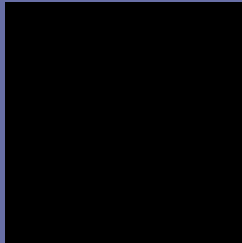
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2763, 17.0651, 38.4070

Background



This preview shows how black text looks on a background with the XYZ color 18.2763, 17.0651, 38.4070.

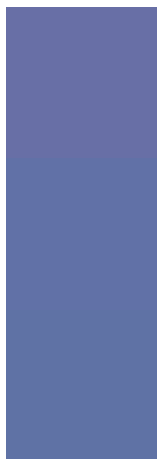


This preview shows how white text looks on a background with the XYZ color 18.2763, 17.0651,

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

18.2763, 17.0651, 38.4070

Protanopia

17.8099, 17.1417, 38.9292

Deuteranopia

17.5282, 17.1841, 37.9903



Tritanopia

15.2124, 17.1851, 22.9373

Trichromacy



Original Color

18.2763, 17.0651, 38.4070

Protanomaly

18.0248, 17.0877, 38.9075

Deuteranomaly

17.7337, 17.1235, 37.9678

Tritanomaly

16.1649, 17.0404, 28.0283

Monochromacy



Original Color

18.2763, 17.0651, 38.4070

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.8759, 17.1354, 24.9723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2763, 17.0651, 38.4070 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(104, 111, 166)` looks like.

```
.text, #text, p{  
    color:rgb(104, 111, 166)  
}
```

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(104, 111, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 111, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.2763, 17.0651, 38.4070 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(104, 111, 166) }
```


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

```
.border{ border-color:rgb(104, 111, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 111, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 111, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 111, 166);  
box-shadow:4px 4px 4px 4px rgb(104, 111,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2763, 17.0651, 38.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 111, 166) }
```

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

```
.background{ background-color: rgb(104,  
111, 166) }
```

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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