

Converting Colors

XYZ(18.0164, 16.7884, 30.3079)

Have a look what the booklet for
XYZ(18.0164, 16.7884, 30.3079)
contains.

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Color

**XYZ(18.0164, 16.7884,
30.3079)**

Conversions

Conversions Part 1

Format	Color
Hex	746D94
RGB	116, 109, 148
RGB Percent	45%, 43%, 58%
CMY	0.5451, 0.5725, 0.4196
CMYK	0.22, 0.26, 0.00, 0.42
HSL	251°, 15%, 50%
HSV	251°, 26%, 58%
XYZ	18.0164, 16.7884, 30.3079
YIQ	115.5390, -8.3470, 13.6130

Conversions

Conversions Part 2

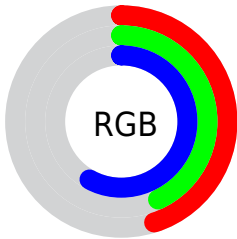
Format	Color
R _Y B	116, 109, 148
Decimal	7630228
CIE Lab	47.99, 11.39, -20.25
CIE LCh	48, 23.237, 299.352
Yxy	16.7884, 0.2767, 0.2578
Android (android.graphics.Color)	4285820308 (0xFF746D94)
YUV	115.5390, 16.0033, 0.4043
Hunter-Lab	40.9737, 6.7838, -15.1748

Details

The XYZ color **18.0164, 16.7884, 30.3079** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.3352, 27.9471, 18.5804**, and the grayscale version is **16.4146, 17.2694, 18.8064**.

A 20% lighter version of the original color is **39.5937, 37.8409, 61.0943**, and **6.1950, 5.5016, 12.0447** is the 20% darker color. If you saturate the color by 10%, you get **15.0585, 13.1142, 29.7549**, and if you desaturate by 10%, it is **21.4523, 21.1045, 30.9602**.

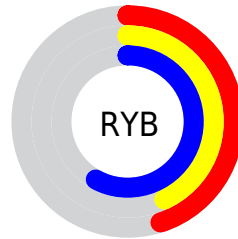
Distribution



Red (45%)

Green (43%)

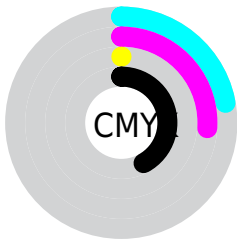
Blue (58%)



Red (45%)

Yellow (43%)

Blue (58%)

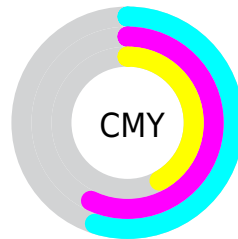


Cyan (22%)

Magenta (26%)

Yellow (0%)

Black (42%)



Cyan (55%)

Magenta (57%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0164, 16.7884, 30.3079 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 18.0164, 16.7884, 30.3079 by changing the saturation by 10% instead.

■ 18.0164, 16.7884,
30.3079

■ 18.0164, 16.7884,
30.3079

234.0073,
233.9500, 317.5889

■ 11.0615, 10.0837,
19.8184

■ 39.5951, 37.9616,
61.2155

■ 6.1758, 5.4545,
12.0803

■ 54.9497, 53.1989,
82.4707

■ 2.9940, 2.5163,
6.6752

■ 73.8349, 72.0493,
108.1515

■ 1.1506, 0.8848,
3.1845

■ 96.6160, 94.8970,
138.6765

■ 0.0668, 0.0000,
1.1896

123.6584,
122.1266, 174.4642

■ 0.0000, 0.0000,
0.0000

155.3276,

154.1223, 215.9331

191.9887,
191.2687, 263.5018

■ 18.0164, 16.7884,
30.3079

■ 18.0164, 16.7884,
30.3079

■ 15.0585, 13.1142,
29.7549

■ 21.4523, 21.1045,
30.9602

■ 12.5556, 10.0489,
29.2951

■ 25.3846, 26.0891,
31.7151

■ 10.4850, 7.5601,
28.9239

■ 29.8327, 31.7699,
32.5771

■ 8.8216, 5.6109,
28.6353

■ 34.8147, 38.1724,
33.5503

■ 7.5375, 4.1606,
28.4231

■ 40.3474, 45.3207,
34.6385

■ 6.6012, 3.1622,
28.2797

■ 46.4471, 53.2378,
35.8452

■ 5.9689, 2.5466,
28.1942

■ 53.1295, 61.9458,
37.1738

■ 5.7859, 2.3652,
28.1688

■ 60.4096, 71.4660,
38.6277

■ 68.3017, 81.8186,
40.2099

Harmonies

Analogous

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



15.9113, 16.7884, 32.4316



18.0164, 16.7884, 30.3079



19.6839, 16.7884, 24.8221

Triad

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



18.0164, 16.7884, 30.3079



18.1022, 16.7884, 10.0350



12.2545, 16.7884, 18.1494

Complementary

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



18.0164, 16.7884, 30.3079



24.3352, 27.9471, 18.5804

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.



12.7328, 16.7884, 13.0016



18.0164, 16.7884, 30.3079



16.0025, 16.7884, 8.9922

Square

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



18.0164, 16.7884, 30.3079



19.7364, 16.7884, 13.1827



14.0606, 16.7884, 9.9476



12.6935, 16.7884, 24.5456

Rectangle

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



18.0164, 16.7884, 30.3079



20.2575, 16.7884, 20.4980



14.0606, 16.7884, 9.9476



12.3126, 16.7884, 16.2276

Sweetspot

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



18.0169, 16.7891, 30.3083



43.4673, 44.3512, 55.7042



21.2513, 24.5873, 31.6430



9.6932, 9.8330, 12.6719



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.



18.0169, 16.7891, 30.3083



28.4111, 25.4169, 52.8431



20.8061, 18.2270, 30.4388



5.5908, 5.6801, 7.2714



4.9596, 2.0294, 24.0613



0.0788, 0.0342, 0.2953

Inverse Universe

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



22.4896, 19.1569, 27.7122



37.8034, 30.3935, 47.1964



21.3768, 26.4219, 18.4420



5.9911, 5.8915, 7.0594



13.4115, 6.5697, 16.1799



0.1735, 0.0842, 0.2474

Previews

White Background



This preview shows how the XYZ color 18.0164, 16.7884, 30.3079 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 18.0164, 16.7884, 30.3079 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 18.0164, 16.7884, 30.3079

Background



This preview shows how black text looks on a background with the XYZ color 18.0164, 16.7884, 30.3079.



This preview shows how white text looks on a background with the XYZ color 18.0164, 16.7884,

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

18.0164, 16.7884, 30.3079

Protanopia

17.0846, 16.9282, 31.6452

Deuteranopia

17.1240, 16.8207, 29.9480



Tritanopia

16.1480, 16.8442, 21.1391

Trichromacy



Original Color

18.0164, 16.7884, 30.3079

Protanomaly

17.4835, 16.9785, 31.2099

Deuteranomaly

17.3813, 16.7905, 29.9286

Tritanomaly

16.7691, 16.7650, 24.1819

Monochromacy



Original Color

18.0164, 16.7884, 30.3079

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0039, 17.0818, 22.8230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0164, 16.7884, 30.3079 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(116, 109, 148)` looks like.

```
.text, #text, p{  
    color:rgb(116, 109, 148)  
}
```

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(116, 109, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 109, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.0164, 16.7884, 30.3079 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(116, 109, 148) }
```


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

```
.border{ border-color:rgb(116, 109, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 109, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 109, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 109, 148);  
box-shadow:4px 4px 4px 4px rgb(116, 109,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0164, 16.7884, 30.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 109, 148) }
```

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

```
.background{ background-color: rgb(116,  
109, 148) }
```

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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