

Converting Colors

XYZ(18.4809, 18.7333, 30.8345)

Have a look what the booklet for
XYZ(18.4809, 18.7333, 30.8345)
contains.

XYZ(18.3725, 18.6468, 30.6478)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.3725, 18.6468,
30.6478)**

Conversions

Conversions Part 1

Format	Color
Hex	6E7794
RGB	110, 119, 148
RGB Percent	43%, 47%, 58%
CMY	0.5686, 0.5333, 0.4196
CMYK	0.26, 0.20, 0.00, 0.42
HSL	226°, 15%, 51%
HSV	226°, 26%, 58%
XYZ	18.3725, 18.6468, 30.6478
YIQ	119.6150, -14.6730, 7.1110

Conversions

Conversions Part 2

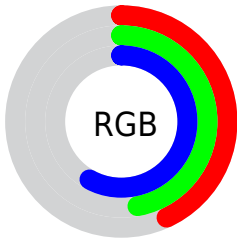
Format	Color
R_{YB}	110, 117, 148
Decimal	7239572
CIE _{Lab}	50.27, 3.45, -16.81
CIE _{LCh}	50, 17.161, 281.586
Yxy	18.6468, 0.2715, 0.2756
Android (android.graphics.Color)	4285429652 (0xFF6E7794)
YUV	119.6150, 13.9938, -8.4324
Hunter-Lab	43.1819, 0.3775, -11.8529

Details

The XYZ color **18.3725, 18.6468, 30.6478** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.2599, 25.8868, 18.4703**, and the grayscale version is **17.6904, 18.6117, 20.2682**.

A 20% lighter version of the original color is **40.1239, 41.0715, 61.6899**, and **6.3354, 6.3616, 12.2033** is the 20% darker color. If you saturate the color by 10%, you get **15.4175, 15.2456, 30.1474**, and if you desaturate by 10%, it is **21.7960, 22.5276, 31.2167**.

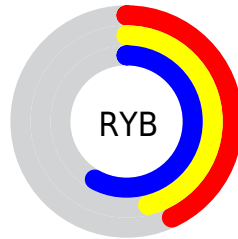
Distribution



Red (43%)

Green (47%)

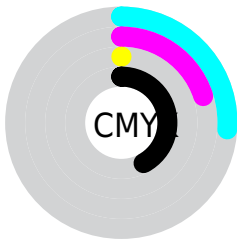
Blue (58%)



Red (43%)

Yellow (46%)

Blue (58%)

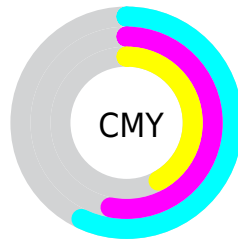


Cyan (26%)

Magenta (20%)

Yellow (0%)

Black (42%)



Cyan (57%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3725, 18.6468, 30.6478 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 18.3725, 18.6468, 30.6478 by changing the saturation by 10% instead.

■ 18.3725, 18.6468,
30.6478

■ 18.3725, 18.6468,
30.6478

235.9675,
244.4919, 319.2132

■ 11.3191, 11.4153,
20.0746

■ 40.1962, 41.1364,
61.7582

■ 6.3507, 6.3469,
12.2647

■ 55.6971, 57.1634,
83.1325

■ 3.1022, 3.0572,
6.7995

■ 74.7446, 76.8909,
108.9442

■ 1.2080, 1.1616,
3.2605

■ 97.7040, 100.7035,
139.6119

■ 0.1127, 0.0300,
1.2291

124.9406,
128.9855, 175.5541

■ 0.0000, 0.0000,
0.0026

156.8198,

■ 0.0000, 0.0000,

162.1213, 217.1894

0.0000

193.7070,
200.4953, 264.9362

■ 18.3725, 18.6468,
30.6478

■ 18.3725, 18.6468,
30.6478

■ 15.4175, 15.2456,
30.1474

■ 21.7960, 22.5276,
31.2167

■ 12.9084, 12.3027,
29.7116

■ 25.7058, 26.9036,
31.8553

■ 10.8233, 9.7985,
29.3381

■ 30.1208, 31.7926,
32.5663

■ 9.1378, 7.7112,
29.0240

■ 35.0584, 37.2107,
33.3519

■ 7.8246, 6.0166,
28.7662

■ 40.5353, 43.1734,
34.2141

■ 6.8531, 4.6883,
28.5610

■ 46.5671, 49.6954,
35.1551

■ 6.1824, 3.6932,
28.4043

■ 53.1691, 56.7910,
36.1767

■ 5.9481, 3.3437,
28.3491

■ 60.3559, 64.4739,
37.2809

■ 68.1415, 72.7573,
38.4694

Harmonies

Analogous

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



16.7333, 18.6468, 30.2782



18.3725, 18.6468, 30.6478



19.9290, 18.6468, 27.9428

Triad

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



18.3725, 18.6468, 30.6478



20.2213, 18.6468, 14.8165



14.8621, 18.6468, 17.5485

Complementary

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



18.3725, 18.6468, 30.6478



24.2599, 25.8868, 18.4703

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.



15.6865, 18.6468, 14.2008



18.3725, 18.6468, 30.6478



18.7515, 18.6468, 12.8018

Square

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



18.3725, 18.6468, 30.6478



21.0401, 18.6468, 18.5208



17.0894, 18.6468, 12.5955



14.7747, 18.6468, 22.1964

Rectangle

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



18.3725, 18.6468, 30.6478



20.6836, 18.6468, 24.9746



17.0894, 18.6468, 12.5955



15.0597, 18.6468, 16.2539

Sweetspot

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



18.3731, 18.6475, 30.6482



43.5602, 45.4678, 55.9149



21.6444, 26.3446, 28.1796



9.7177, 10.1267, 12.7273



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.



18.3731, 18.6475, 30.6482



29.2213, 29.2350, 53.5374



18.5982, 17.2478, 30.3662



5.6044, 5.8428, 7.3021



5.0991, 2.8930, 24.2207



0.0821, 0.0748, 0.3030

Inverse Universe

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



21.1189, 18.7801, 19.9655



34.9838, 29.6767, 31.0812



23.9689, 27.7519, 18.8456



5.8538, 5.8366, 6.3361



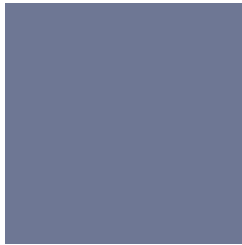
10.7009, 5.4854, 1.9058



0.1409, 0.0711, 0.0757

Previews

White Background



This preview shows how the XYZ color 18.3725, 18.6468, 30.6478 looks on a white 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

Black Background



This preview shows how the XYZ color 18.3725, 18.6468, 30.6478 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

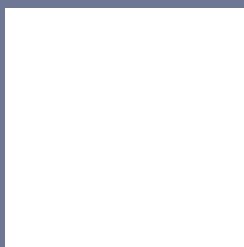
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3725, 18.6468, 30.6478

Background



This preview shows how black text looks on a background with the XYZ color 18.3725, 18.6468, 30.6478.



This preview shows how white text looks on a background with the XYZ color 18.3725, 18.6468,

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

18.3725, 18.6468, 30.6478

Protanopia

18.6338, 18.6057, 30.6261

Deuteranopia

18.9090, 18.5737, 30.6054



Tritanopia

17.1878, 18.7108, 24.5354

Trichromacy



Original Color

18.3725, 18.6468, 30.6478

Protanomaly

18.5058, 18.5397, 30.6201

Deuteranomaly

18.7632, 18.6724, 30.6322

Tritanomaly

17.6092, 18.6979, 26.7257

Monochromacy



Original Color

18.3725, 18.6468, 30.6478

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9482, 18.7577, 23.7937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3725, 18.6468, 30.6478 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(110, 119, 148)` looks like.

```
.text, #text, p{  
    color:rgb(110, 119, 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(110, 119, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 119, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.3725, 18.6468, 30.6478 is called "border". The border property can be set on classes, ids or directly on the HTML element.

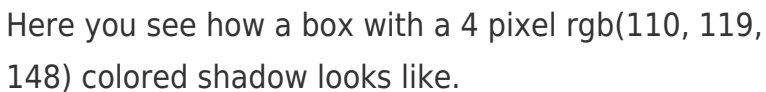
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 119, 148) }
```


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

```
.border{ border-color:rgb(110, 119, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 119, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 119, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 119, 148); box-shadow:4px 4px 4px 4px rgb(110, 119, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3725, 18.6468, 30.6478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 119, 148) }
```

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

```
.background{ background-color: rgb(110,  
119, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor