

Converting Colors

XYZ(16.3898, 16.5945, 30.4363)

Have a look what the booklet for
XYZ(16.3898, 16.5945, 30.4363)
contains.

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Color

**XYZ(16.3960, 16.6010,
30.3571)**

Conversions

Conversions Part 1

Format	Color
Hex	637194
RGB	99, 113, 148
RGB Percent	39%, 44%, 58%
CMY	0.6118, 0.5569, 0.4196
CMYK	0.33, 0.24, 0.00, 0.42
HSL	223°, 20%, 48%
HSV	223°, 33%, 58%
XYZ	16.3960, 16.6010, 30.3571
YIQ	112.8040, -19.5790, 7.9170

Conversions

Conversions Part 2

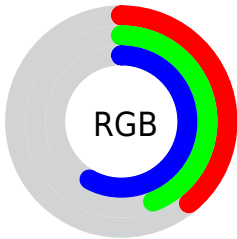
Format	Color
R_{YB}	99, 110, 148
Decimal	6517140
CIE _{Lab}	47.75, 3.54, -20.74
CIE _{LCh}	48, 21.036, 279.681
Yxy	16.6010, 0.2588, 0.2620
Android (android.graphics.Color)	4284707220 (0xFF637194)
YUV	112.8040, 17.3516, -12.1061
Hunter-Lab	40.7443, 0.5280, -15.6538

Details

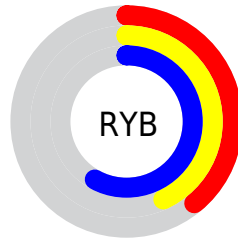
The XYZ color **16.3960, 16.6010, 30.3571** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.9903, 24.2472, 15.2734**, and the grayscale version is **15.5928, 16.4049, 17.8649**.

A 20% lighter version of the original color is **36.8783, 37.7538, 61.2206**, and **5.3634, 5.3218, 12.0538** is the 20% darker color. If you saturate the color by 10%, you get **13.8134, 13.6199, 29.9181**, and if you desaturate by 10%, it is **19.4134, 20.0109, 30.8565**.

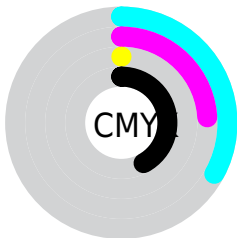
Distribution



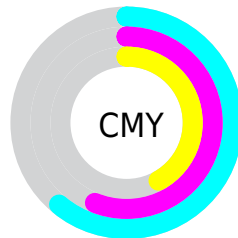
- Red (39%)
- Green (44%)
- Blue (58%)



- Red (39%)
- Yellow (43%)
- Blue (58%)



- Cyan (33%)
- Magenta (24%)
- Yellow (0%)
- Black (42%)



- Cyan (61%)
- Magenta (56%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3960, 16.6010, 30.3571 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 16.3960, 16.6010, 30.3571 by changing the saturation by 10% instead.

■ 16.3960, 16.6010,
30.3571

■ 16.3960, 16.6010,
30.3571

224.8920,
232.8624, 317.8244

■ 9.8974, 9.9504,
19.8554

■ 36.8362, 37.6385,
61.2941

■ 5.3927, 5.3661,
12.1070

■ 51.5086, 52.7942,
82.5666

■ 2.5166, 2.4636,
6.6932

■ 69.6363, 71.5537,
108.2664

■ 0.9036, 0.8583,
3.1954

■ 91.5847, 94.3014,
138.8120

■ 0.0000, 0.0000,
1.1953

117.7191,
121.4218, 174.6221

■ 0.0000, 0.0000,
0.0000

148.4049,

153.2991, 216.1152

184.0074,
190.3179, 263.7098

■ 16.3960, 16.6010,
30.3571

■ 16.3960, 16.6010,
30.3571

■ 13.8134, 13.6199,
29.9181

■ 19.4134, 20.0109,
30.8565

■ 11.6432, 11.0481,
29.5361

■ 22.8834, 23.8645,
31.4175

■ 9.8631, 8.8669,
29.2089

■ 26.8249, 28.1779,
32.0423

■ 8.4480, 7.0558,
28.9339

■ 31.2550, 32.9663,
32.7331

■ 7.3698, 5.5918,
28.7081

■ 36.1901, 38.2438,
33.4916

■ 6.5955, 4.4489,
28.5283

■ 41.6456, 44.0241,
34.3198

■ 6.1835, 3.8145,
28.4276

■ 47.6365, 50.3203,
35.2193

■ 54.1771, 57.1449,
36.1919

■ 61.2810, 64.5101,
37.2391

Harmonies

Analogous

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



14.5536, 16.6010, 29.6589



16.3960, 16.6010, 30.3571



18.2075, 16.6010, 27.2967

Triad

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



16.3960, 16.6010, 30.3571



18.7351, 16.6010, 12.2260



12.6187, 16.6010, 14.7062

Complementary

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



16.3960, 16.6010, 30.3571



22.9903, 24.2472, 15.2734

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.



13.5762, 16.6010, 11.2073



16.3960, 16.6010, 30.3571



17.0708, 16.6010, 9.9857

Square

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



16.3960, 16.6010, 30.3571



19.6271, 16.6010, 16.3860



15.1772, 16.6010, 9.6541



12.4695, 16.6010, 19.8776

Rectangle

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



16.3960, 16.6010, 30.3571



19.1181, 16.6010, 23.8370



15.1772, 16.6010, 9.6541



12.8529, 16.6010, 13.3266

Sweetspot

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



16.3965, 16.6016, 30.3575



42.3110, 44.2351, 55.7428



19.9903, 25.5346, 26.1746



9.4628, 9.8827, 12.6936



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.



16.3965, 16.6016, 30.3575



25.3589, 25.1805, 52.9584



16.0897, 14.3009, 29.9296



5.6264, 5.8869, 7.3095



5.3026, 3.3000, 24.2885



0.0875, 0.0856, 0.3048

Inverse Universe

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



19.6557, 16.4124, 17.7554



32.1383, 25.1082, 26.6721



23.3568, 27.5013, 15.8822



5.8649, 5.8410, 6.3946



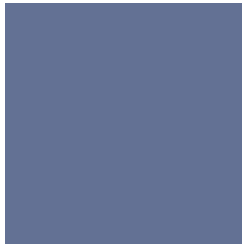
10.8036, 5.5265, 2.4468



0.1436, 0.0722, 0.0901

Previews

White Background



This preview shows how the XYZ color 16.3960, 16.6010, 30.3571 looks on a white background.

Color Contrast Check

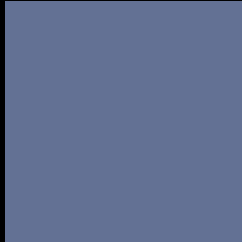
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3960, 16.6010, 30.3571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

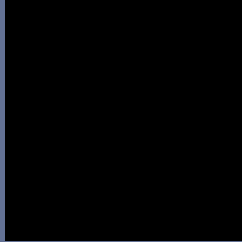
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

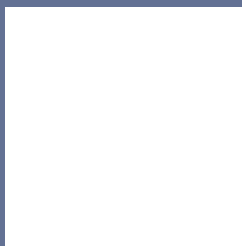
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3960, 16.6010, 30.3571

Background



This preview shows how black text looks on a background with the XYZ color 16.3960, 16.6010, 30.3571.

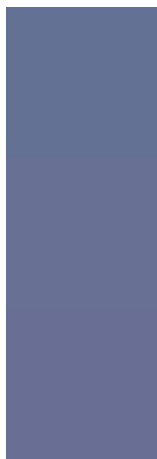


This preview shows how white text looks on a background with the XYZ color 16.3960, 16.6010,

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

16.3960, 16.6010, 30.3571

Protanopia

16.7696, 16.6380, 29.9314

Deuteranopia

16.8554, 16.5103, 30.3154



Tritanopia

14.7433, 16.6086, 22.1674

Trichromacy



Original Color

16.3960, 16.6010, 30.3571

Protanomaly

16.5401, 16.5197, 29.9206

Deuteranomaly

16.7330, 16.6100, 30.3411

Tritanomaly

15.3723, 16.6988, 24.9672

Monochromacy



Original Color

16.3960, 16.6010, 30.3571

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.8554, 16.5048, 22.0887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3960, 16.6010, 30.3571 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, 113, 148)` looks like.

```
.text, #text, p{  
    color:rgb(99, 113, 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(99, 113, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 113, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.3960, 16.6010, 30.3571 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, 113, 148) }
```


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

```
.border{ border-color:rgb(99, 113, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 113, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 113, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 113, 148);  
box-shadow:4px 4px 4px 4px rgb(99, 113,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3960, 16.6010, 30.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 113, 148) }
```

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

```
.background{ background-color: rgb(99, 113,  
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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