

Converting Colors

XYZ(16.1258, 17.3149, 35.2088)

Have a look what the booklet for
XYZ(16.1258, 17.3149, 35.2088)
contains.

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Color

**XYZ(16.1631, 17.4023,
35.3080)**

Conversions

Conversions Part 1

Format	Color
Hex	50779F
RGB	80, 119, 159
RGB Percent	31%, 47%, 62%
CMY	0.6863, 0.5333, 0.3765
CMYK	0.50, 0.25, 0.00, 0.38
HSL	210°, 33%, 47%
HSV	210°, 50%, 62%
XYZ	16.1631, 17.4023, 35.3080
YIQ	111.8990, -36.0840, 4.1720

Conversions

Conversions Part 2

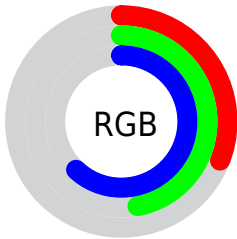
Format	Color
R _Y B	80, 106, 159
Decimal	5273503
CIE Lab	48.76, -2.14, -25.74
CIE LCh	49, 25.833, 265.251
Yxy	17.4023, 0.2347, 0.2527
Android (android.graphics.Color)	4283463583 (0xFF50779F)
YUV	111.8990, 23.2208, -27.9754
Hunter-Lab	41.7161, -3.8424, -20.9811

Details

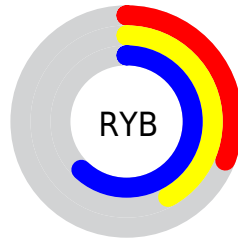
The XYZ color **16.1631, 17.4023, 35.3080** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.4631, 21.3839, 10.5337**, and the grayscale version is **15.3137, 16.1112, 17.5451**.

A 20% lighter version of the original color is **36.3734, 38.9674, 69.2227**, and **5.2838, 5.7622, 14.7436** is the 20% darker color. If you saturate the color by 10%, you get **14.0583, 14.9549, 34.9469**, and if you desaturate by 10%, it is **18.6680, 20.1771, 35.7119**.

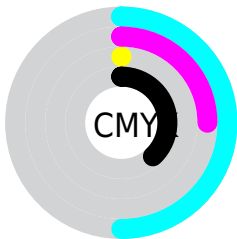
Distribution



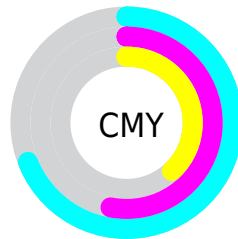
- Red (31%)
- Green (47%)
- Blue (62%)



- Red (31%)
- Yellow (42%)
- Blue (62%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (38%)



- Cyan (69%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1631, 17.4023, 35.3080 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 16.1631, 17.4023, 35.3080 by changing the saturation by 10% instead.

■ 16.1631, 17.4023,
35.3080

■ 16.1631, 17.4023,
35.3080

223.5537,
237.4802, 340.8712

■ 9.7312, 10.5217,
23.6148

■ 36.4363, 39.0162,
69.1196

■ 5.2820, 5.7462,
14.8386

■ 51.0083, 54.5183,
92.0751

■ 2.4501, 2.6914,
8.5608

■ 69.0244, 73.6630,
119.6217

■ 0.8702, 0.9728,
4.3630

■ 90.8500, 96.8348,
152.1780

■ 0.0000, 0.0000,
1.8265

■ 116.8503,
124.4180, 190.1626

■ 0.0000, 0.0000,
0.4454

147.3908,

■ 0.0000, 0.0000,

156.7971, 233.9940

0.0000

182.8368,
194.3563, 284.0907

■ 16.1631, 17.4023,
35.3080

■ 16.1631, 17.4023,
35.3080

■ 14.0583, 14.9549,
34.9469

■ 18.6680, 20.1771,
35.7119

■ 12.3270, 12.8172,
34.6255

■ 21.5936, 23.2919,
36.1589

■ 10.9419, 10.9725,
34.3424

■ 24.9613, 26.7607,
36.6510

■ 9.8706, 9.4008,
34.0955

■ 28.7902, 30.5962,
37.1895

■ 9.0422, 8.0621,
33.8808

■ 33.0985, 34.8101,
37.7758

■ 9.0176, 8.0223,
33.8744

■ 37.9031, 39.4139,
38.4112

■ 43.2201, 44.4183,
39.0969

■ 49.0651, 49.8336,
39.8341

■ 55.4527, 55.6698,
40.6239

Harmonies

Analogous

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



14.0586, 17.4023, 31.9381



16.1631, 17.4023, 35.3080



18.5776, 17.4023, 33.5051

Triad

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



16.1631, 17.4023, 35.3080



21.0509, 17.4023, 13.8735



13.0469, 17.4023, 12.3973

Complementary

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



16.1631, 17.4023, 35.3080



22.4631, 21.3839, 10.5337

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.



14.6578, 17.4023, 9.3690



16.1631, 17.4023, 35.3080



19.2982, 17.4023, 10.0664

Square

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



16.1631, 17.4023, 35.3080



21.5516, 17.4023, 20.0579



16.9235, 17.4023, 8.6317



12.3732, 17.4023, 17.8801

Rectangle

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



16.1631, 17.4023, 35.3080



20.0206, 17.4023, 29.7963



16.9235, 17.4023, 8.6317



13.4888, 17.4023, 11.1158

Sweetspot

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



16.1637, 17.4029, 35.3084



47.6152, 50.8644, 66.0517



19.0669, 27.8462, 21.9813



10.4339, 11.1646, 14.8487



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.1637, 17.4029, 35.3084



24.6843, 26.1907, 62.4978



12.4356, 9.9467, 34.0657



6.5416, 6.9489, 8.4032



7.1641, 6.4197, 26.7688



0.1704, 0.1993, 0.4927

Inverse Universe

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



20.4970, 14.4408, 19.1604



33.6896, 21.3367, 28.6482



28.1446, 32.7468, 12.4275



6.7627, 6.6980, 7.6015



12.4143, 6.2703, 6.4326



0.2433, 0.1206, 0.2274

Previews

White Background



This preview shows how the XYZ color 16.1631, 17.4023, 35.3080 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 16.1631, 17.4023, 35.3080 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

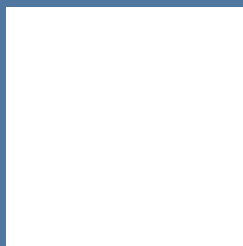
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1631, 17.4023, 35.3080

Background



This preview shows how black text looks on a background with the XYZ color 16.1631, 17.4023, 35.3080.

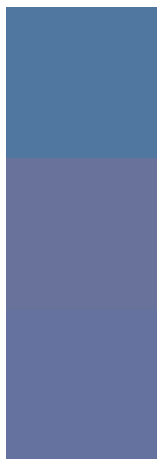


This preview shows how white text looks on a background with the XYZ color 16.1631, 17.4023,

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

16.1631, 17.4023, 35.3080

Protanopia

17.6426, 17.3442, 33.4283

Deuteranopia

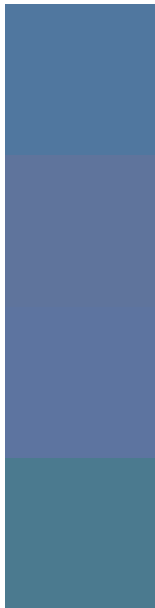
17.7293, 17.3394, 35.6701



Tritanopia

14.1832, 17.5143, 25.1873

Trichromacy



Original Color

16.1631, 17.4023, 35.3080

Protanomaly

16.9655, 17.3240, 33.9022

Deuteranomaly

17.1048, 17.3560, 35.7062

Tritanomaly

14.8191, 17.3981, 28.5637

Monochromacy



Original Color

16.1631, 17.4023, 35.3080

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.3487, 16.5558, 23.1555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1631, 17.4023, 35.3080 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(80, 119, 159)` looks like.

```
.text, #text, p{  
    color:rgb(80, 119, 159)  
}
```

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(80, 119, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 119, 159) }
```

Border

The CSS property to change the border of an element to XYZ 16.1631, 17.4023, 35.3080 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(80, 119, 159) }
```


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

```
.border{ border-color:rgb(80, 119, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 119, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 119, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 119, 159);  
box-shadow:4px 4px 4px 4px rgb(80, 119,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1631, 17.4023, 35.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 119, 159) }
```

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

```
.background{ background-color: rgb(80, 119,  
159) }
```

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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