

Converting Colors

XYZ(17.8966, 16.6007, 31.9632)

Have a look what the booklet for
XYZ(17.8966, 16.6007, 31.9632)
contains.

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Color

**XYZ(17.8401, 16.5028,
31.9509)**

Conversions

Conversions Part 1

Format	Color
Hex	716C98
RGB	113, 108, 152
RGB Percent	44%, 42%, 60%
CMY	0.5569, 0.5765, 0.4039
CMYK	0.26, 0.29, 0.00, 0.40
HSL	247°, 18%, 51%
HSV	247°, 29%, 60%
XYZ	17.8401, 16.5028, 31.9509
YIQ	114.5110, -11.1440, 14.7440

Conversions

Conversions Part 2

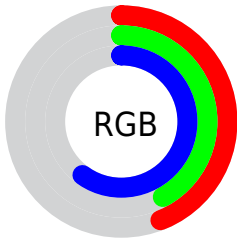
Format	Color
R _Y B	113, 108, 152
Decimal	7433368
CIE Lab	47.63, 12.02, -23.20
CIE LCh	48, 26.132, 297.394
Yxy	16.5028, 0.2691, 0.2489
Android (android.graphics.Color)	4285623448 (0xFF716C98)
YUV	114.5110, 18.4821, -1.3251
Hunter-Lab	40.6236, 7.2979, -18.1956

Details

The XYZ color **17.8401, 16.5028, 31.9509** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.9681, 29.7426, 18.5602**, and the grayscale version is **16.0967, 16.9350, 18.4422**.

A 20% lighter version of the original color is **39.2646, 37.3595, 63.5342**, and **6.1321, 5.3671, 13.0247** is the 20% darker color. If you saturate the color by 10%, you get **14.7681, 12.7436, 31.3875**, and if you desaturate by 10%, it is **21.4500, 20.9550, 32.6203**.

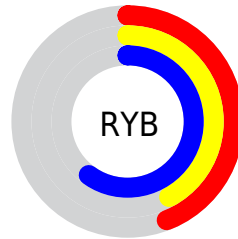
Distribution



Red (44%)

Green (42%)

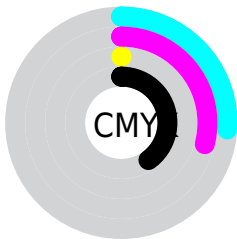
Blue (60%)



Red (44%)

Yellow (42%)

Blue (60%)

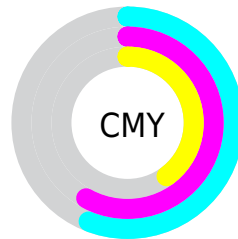


Cyan (26%)

Magenta (29%)

Yellow (0%)

Black (40%)



Cyan (56%)

Magenta (58%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8401, 16.5028, 31.9509 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 17.8401, 16.5028, 31.9509 by changing the saturation by 10% instead.

■ 17.8401, 16.5028,
31.9509

■ 17.8401, 16.5028,
31.9509

233.0313,
232.2906, 325.3814

■ 10.9342, 9.8806,
21.0595

■ 39.2969, 37.4689,
63.8311

■ 6.0896, 5.3199,
12.9758

■ 54.5785, 52.5817,
85.6570

■ 2.9408, 2.4362,
7.2814

■ 73.3828, 71.2934,
111.9648

■ 1.1225, 0.8444,
3.5576

■ 96.0751, 93.9885,
143.1731

■ 0.0439, 0.0000,
1.3859

123.0207,
121.0514, 179.7003

■ 0.0000, 0.0000,
0.1307

154.5851,

■ 0.0000, 0.0000,

152.8664, 221.9651

0.0000

191.1335,
189.8181, 270.3859

■ 17.8401, 16.5028,
31.9509

■ 17.8401, 16.5028,
31.9509

■ 14.7681, 12.7436,
31.3875

■ 21.4500, 20.9550,
32.6203

■ 12.2067, 9.6405,
30.9235

■ 25.6203, 26.1306,
33.3995

■ 10.1283, 7.1564,
30.5536

■ 30.3740, 32.0605,
34.2935

■ 8.5024, 5.2494,
30.2712

■ 35.7326, 38.7734,
35.3068

■ 7.2946, 3.8726,
30.0691

■ 41.7164, 46.2964,
36.4435

■ 6.4657, 2.9715,
29.9389

■ 48.3445, 54.6553,
37.7076

■ 5.9475, 2.4372,
29.8630

■ 55.6356, 63.8747,
39.1028

■ 5.9036, 2.3887,
29.8560

■ 63.6073, 73.9783,
40.6329

■ 72.2767, 84.9887,
42.3012

Harmonies

Analogous

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



15.4824, 16.5028, 34.0908



17.8401, 16.5028, 31.9509



19.7737, 16.5028, 25.8144

Triad

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



17.8401, 16.5028, 31.9509



18.2277, 16.5028, 9.1771



11.6192, 16.5028, 17.3911

Complementary

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



17.8401, 16.5028, 31.9509



25.9681, 29.7426, 18.5602

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.



12.2035, 16.5028, 11.8995



17.8401, 16.5028, 31.9509



15.8902, 16.5028, 7.9515

Square

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



17.8401, 16.5028, 31.9509



20.0126, 16.5028, 12.6845



13.7116, 16.5028, 8.8091



12.0318, 16.5028, 24.5480

Rectangle

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



17.8401, 16.5028, 31.9509



20.4804, 16.5028, 20.9195



13.7116, 16.5028, 8.8091



11.7041, 16.5028, 15.3094

Sweetspot

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



17.8407, 16.5035, 31.9513



45.0421, 45.8989, 58.9191



22.3796, 26.5101, 33.6435



9.9980, 10.1344, 13.3467



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



17.8407, 16.5035, 31.9513



27.7364, 24.5300, 55.7066



20.9260, 18.0940, 32.0957



5.9465, 6.0583, 7.7849



4.9647, 2.0104, 25.0341



0.0892, 0.0378, 0.3750

Inverse Universe

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



23.5784, 19.5077, 30.1269



39.6623, 30.7783, 51.7336



22.4808, 27.9449, 18.3970



6.4310, 6.3116, 7.6497



14.5153, 7.0604, 19.7705



0.2245, 0.1085, 0.3350

Previews

White Background



This preview shows how the XYZ color 17.8401, 16.5028, 31.9509 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 17.8401, 16.5028, 31.9509 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 17.8401, 16.5028, 31.9509

Background



This preview shows how black text looks on a background with the XYZ color 17.8401, 16.5028, 31.9509.



This preview shows how white text looks on a background with the XYZ color 17.8401, 16.5028,

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

17.8401, 16.5028, 31.9509

Protanopia

16.8564, 16.4448, 33.2961

Deuteranopia

16.8639, 16.4868, 31.5716



Tritanopia

15.6559, 16.5905, 21.1160

Trichromacy



Original Color

17.8401, 16.5028, 31.9509

Protanomaly

17.2344, 16.4882, 32.8460

Deuteranomaly

17.2252, 16.5120, 31.5574

Tritanomaly

16.4039, 16.5608, 24.8862

Monochromacy



Original Color

17.8401, 16.5028, 31.9509

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.6299, 16.7243, 22.7737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8401, 16.5028, 31.9509 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(113, 108, 152)` looks like.

```
.text, #text, p{  
    color:rgb(113, 108, 152)  
}
```

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(113, 108, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 108, 152) }
```

Border

The CSS property to change the border of an element to XYZ 17.8401, 16.5028, 31.9509 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(113, 108, 152) }
```


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

```
.border{ border-color:rgb(113, 108, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 108, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 108, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 108, 152);  
box-shadow:4px 4px 4px 4px rgb(113, 108,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8401, 16.5028, 31.9509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 108, 152) }
```

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

```
.background{ background-color: rgb(113,  
108, 152) }
```

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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