

Converting Colors

XYZ(18.1472, 17.7974, 30.4543)

Have a look what the booklet for
XYZ(18.1472, 17.7974, 30.4543)
contains.

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Color

**XYZ(18.1581, 17.8443,
30.5042)**

Conversions

Conversions Part 1

Format	Color
Hex	707394
RGB	112, 115, 148
RGB Percent	44%, 45%, 58%
CMY	0.5608, 0.5490, 0.4196
CMYK	0.24, 0.22, 0.00, 0.42
HSL	235°, 14%, 51%
HSV	235°, 24%, 58%
XYZ	18.1581, 17.8443, 30.5042
YIQ	117.8650, -12.3810, 9.6270

Conversions

Conversions Part 2

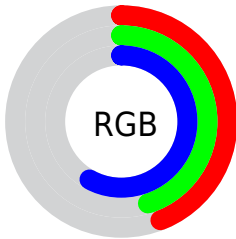
Format	Color
R_{YB}	112, 115, 148
Decimal	7369620
CIE _{Lab}	49.31, 6.48, -18.27
CIE _{LCh}	49, 19.383, 289.517
Yxy	17.8443, 0.2730, 0.2683
Android (android.graphics.Color)	4285559700 (0xFF707394)
YUV	117.8650, 14.8566, -5.1436
Hunter-Lab	42.2425, 2.8045, -13.2448

Details

The XYZ color **18.1581, 17.8443, 30.5042** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.2630, 27.7167, 19.3481**, and the grayscale version is **17.1359, 18.0283, 19.6328**.

A 20% lighter version of the original color is **39.7892, 39.7942, 61.4610**, and **6.2147, 5.9341, 12.1271** is the 20% darker color. If you saturate the color by 10%, you get **14.9928, 14.0829, 29.9453**, and if you desaturate by 10%, it is **21.8618, 22.2221, 31.1543**.

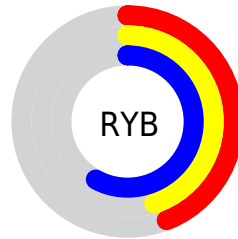
Distribution



Red (44%)

Green (45%)

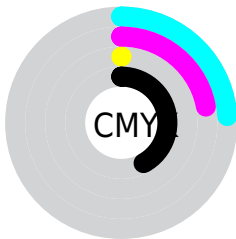
Blue (58%)



Red (44%)

Yellow (45%)

Blue (58%)

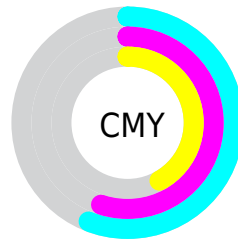


Cyan (24%)

Magenta (22%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (55%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1581, 17.8443, 30.5042 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 18.1581, 17.8443, 30.5042 by changing the saturation by 10% instead.

■ 18.1581, 17.8443,
30.5042

■ 18.1581, 17.8443,
30.5042

234.7891,
239.9920, 318.5278

■ 11.1639, 10.8383,
19.9663

■ 39.8345, 39.7718,
61.5290

■ 6.2453, 5.9582,
12.1867

■ 55.2475, 55.4621,
82.8531

■ 3.0369, 2.8197,
6.7469

■ 74.1974, 74.8160,
108.6095

■ 1.1733, 1.0383,
3.2283

■ 97.0496, 98.2177,
139.2170

■ 0.0851, 0.0000,
1.2123

124.1696,
126.0518, 175.0941

■ 0.0000, 0.0000,
0.0000

155.9226,

158.7026, 216.6592

192.6739,
196.5545, 264.3309

■ 18.1581, 17.8443,
30.5042

■ 18.1581, 17.8443,
30.5042

■ 14.9928, 14.0829,
29.9453

■ 21.8618, 22.2221,
31.1543

■ 12.3391, 10.9081,
29.4724

■ 26.1256, 27.2400,
31.8981

■ 10.1706, 8.2909,
29.0815

■ 30.9720, 32.9232,
32.7396

■ 8.4579, 6.1991,
28.7680

■ 36.4219, 39.2946,
33.6822

■ 7.1681, 4.5969,
28.5267

■ 42.4949, 46.3763,
34.7290

■ 6.2641, 3.4442,
28.3519

■ 49.2101, 54.1892,
35.8832

■ 5.7013, 2.6940,
28.2367

■ 56.5854, 62.7536,
37.1475

■ 5.4809, 2.4093,
28.1934

■ 64.6383, 72.0888,
38.5250

■ 73.3854, 82.2135,
40.0182

Harmonies

Analogous

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



16.3310, 17.8443, 31.0601



18.1581, 17.8443, 30.5042



19.7673, 17.8443, 26.6987

Triad

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



18.1581, 17.8443, 30.5042



19.3382, 17.8443, 12.7533



13.7434, 17.8443, 17.6604

Complementary

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



18.1581, 17.8443, 30.5042



25.2630, 27.7167, 19.3481

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.



14.4328, 17.8443, 13.6161



18.1581, 17.8443, 30.5042



17.6059, 17.8443, 11.1389

Square

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



18.1581, 17.8443, 30.5042



20.4817, 17.8443, 16.2663



15.8167, 17.8443, 11.4235



13.8679, 17.8443, 22.9781

Rectangle

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



18.1581, 17.8443, 30.5042



20.4588, 17.8443, 23.1563



15.8167, 17.8443, 11.4235



13.8856, 17.8443, 16.1255

Sweetspot

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



18.1587, 17.8450, 30.5046



43.8758, 45.4529, 55.8954



22.3371, 26.6508, 30.5133



9.9259, 10.2700, 12.7440



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.



18.1587, 17.8450, 30.5046



28.9886, 27.8654, 53.2853



19.8032, 18.1931, 30.4851



5.5361, 5.7061, 7.2793



4.6910, 2.0768, 24.0846



0.0651, 0.0408, 0.2973

Inverse Universe

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



21.1019, 19.1226, 18.7992



35.0870, 30.5629, 29.0199



23.2828, 27.3855, 19.3886



5.8193, 5.8228, 6.1544



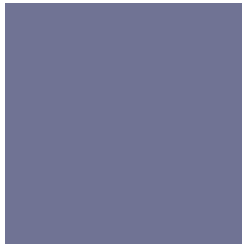
10.4949, 5.4030, 0.8211



0.1323, 0.0677, 0.0305

Previews

White Background



This preview shows how the XYZ color 18.1581, 17.8443, 30.5042 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 18.1581, 17.8443, 30.5042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

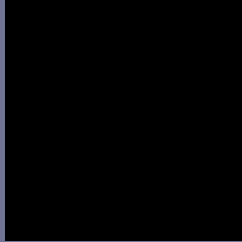
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.1581, 17.8443, 30.5042

Background



This preview shows how black text looks on a background with the XYZ color 18.1581, 17.8443, 30.5042.



This preview shows how white text looks on a background with the XYZ color 18.1581, 17.8443,

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

18.1581, 17.8443, 30.5042

Protanopia

17.9769, 17.9119, 30.9436

Deuteranopia

18.1581, 17.8443, 30.5042



Tritanopia

16.6774, 17.9403, 23.0059

Trichromacy



Original Color

18.1581, 17.8443, 30.5042

Protanomaly

18.1006, 17.9757, 30.9494

Deuteranomaly

18.1581, 17.8443, 30.5042

Tritanomaly

17.1583, 17.9573, 25.4834

Monochromacy



Original Color

18.1581, 17.8443, 30.5042

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5262, 18.0206, 23.3235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1581, 17.8443, 30.5042 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(112, 115, 148)` looks like.

```
.text, #text, p{  
    color:rgb(112, 115, 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(112, 115, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 115, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.1581, 17.8443, 30.5042 is called "border". The border property can be set on classes, ids or directly on the HTML element.

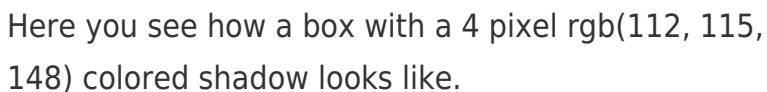
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 115, 148) }
```


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

```
.border{ border-color:rgb(112, 115, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 115, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 115, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 115, 148); box-shadow:4px 4px 4px 4px rgb(112, 115, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1581, 17.8443, 30.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 115, 148) }
```

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

```
.background{ background-color: rgb(112,  
115, 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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