

Converting Colors

XYZ(18.8356, 17.5841, 35.6842)

Have a look what the booklet for
XYZ(18.8356, 17.5841, 35.6842)
contains.

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Color

**XYZ(18.8214, 17.5712,
35.6573)**

Conversions

Conversions Part 1

Format	Color
Hex	7070A0
RGB	112, 112, 160
RGB Percent	44%, 44%, 63%
CMY	0.5608, 0.5608, 0.3725
CMYK	0.30, 0.30, 0.00, 0.37
HSL	240°, 20%, 53%
HSV	240°, 30%, 63%
XYZ	18.8214, 17.5712, 35.6573
YIQ	117.4720, -15.4080, 14.9280

Conversions

Conversions Part 2

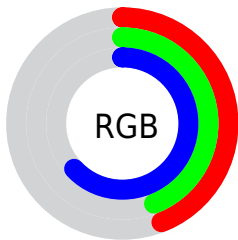
Format	Color
R_{YB}	112, 112, 160
Decimal	7368864
CIE _{Lab}	48.97, 11.38, -25.84
CIE _{LCh}	49, 28.232, 293.779
Yxy	17.5712, 0.2612, 0.2439
Android (android.graphics.Color)	4285558944 (0xFF7070A0)
YUV	117.4720, 20.9663, -4.7989
Hunter-Lab	41.9180, 6.7909, -21.0921

Details

The XYZ color **18.8214, 17.5712, 35.6573** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.9928, 33.7850, 20.2701**, and the grayscale version is **16.9958, 17.8809, 19.4723**.

A 20% lighter version of the original color is **41.0583, 39.4565, 69.7419**, and **6.5268, 5.7736, 14.9578** is the 20% darker color. If you saturate the color by 10%, you get **15.3524, 13.3913, 35.0336**, and if you desaturate by 10%, it is **22.9671, 22.5664, 36.4033**.

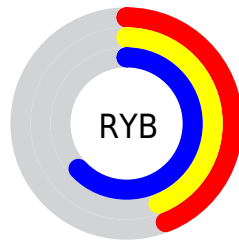
Distribution



Red (44%)

Green (44%)

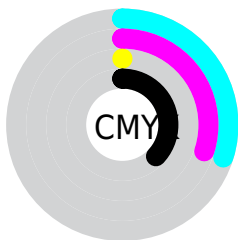
Blue (63%)



Red (44%)

Yellow (44%)

Blue (63%)

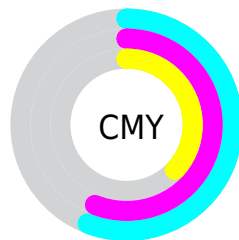


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (37%)



Cyan (56%)

Magenta (56%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8214, 17.5712, 35.6573 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 18.8214, 17.5712, 35.6573 by changing the saturation by 10% instead.

■ 18.8214, 17.5712,
35.6573

■ 18.8214, 17.5712,
35.6573

238.4181,
238.4429, 342.4522

■ 11.6445, 10.6426,
23.8820

■ 40.9513, 39.3053,
69.6659

■ 6.5726, 5.8270,
15.0348

■ 56.6350, 54.8795,
92.7363

■ 3.2402, 2.7402,
8.6969

■ 75.8851, 74.1045,
120.4088

■ 1.2820, 0.9976,
4.4499

■ 99.0669, 97.3645,
153.1020

■ 0.1697, 0.0000,
1.8753

126.5457,
125.0439, 191.2344

■ 0.0000, 0.0000,
0.4769

158.6870,

■ 0.0000, 0.0000,

157.5272, 235.2245

0.0000

195.8560,
195.1987, 285.4909

■ 18.8214, 17.5712,
35.6573

■ 18.8214, 17.5712,
35.6573

■ 15.3524, 13.3913,
35.0336

■ 22.9671, 22.5664,
36.4033

■ 12.5225, 9.9814,
34.5246

■ 27.8207, 28.4147,
37.2763

■ 10.2933, 7.2953,
34.1236

■ 33.4139, 35.1541,
38.2823

■ 8.6213, 5.2807,
33.8229

■ 39.7758, 42.8197,
39.4266

■ 7.4576, 3.8784,
33.6136

■ 46.9339, 51.4447,
40.7142

■ 6.7443, 3.0190,
33.4853

■ 54.9144, 61.0605,
42.1496

■ 6.3453, 2.5382,
33.4135

■ 63.7422, 71.6974,
43.7374

■ 6.3453, 2.5382,
33.4135

■ 73.4414, 83.3842,
45.4820

■ 83.3452, 95.3181,
47.2635

Harmonies

Analogous

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



16.1595, 17.5712, 37.4162



18.8214, 17.5712, 35.6573



21.1161, 17.5712, 29.0159

Triad

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



18.8214, 17.5712, 35.6573



19.8668, 17.5712, 9.6740



12.1661, 17.5712, 17.6069

Complementary

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



18.8214, 17.5712, 35.6573



29.9928, 33.7850, 20.2701

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.



12.9485, 17.5712, 11.7941



18.8214, 17.5712, 35.6573



17.2542, 17.5712, 8.0537

Square

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



18.8214, 17.5712, 35.6573



21.7626, 17.5712, 13.8720



14.7460, 17.5712, 8.7128



12.4920, 17.5712, 25.5775

Rectangle

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



18.8214, 17.5712, 35.6573



22.0354, 17.5712, 23.4640



14.7460, 17.5712, 8.7128



12.3053, 17.5712, 15.3690

Sweetspot

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



18.8220, 17.5719, 35.6577



51.3009, 52.5407, 67.8241



25.5287, 31.0969, 37.5491



10.9647, 11.1779, 14.8233



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.



18.8220, 17.5719, 35.6577



29.8255, 26.6643, 63.9613



22.1637, 19.2944, 35.8141



6.2848, 6.4353, 8.3176



4.9428, 1.9772, 26.0284



0.0884, 0.0354, 0.4654

Inverse Universe

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



23.2165, 20.2323, 18.0116



39.1145, 32.2879, 26.6612



25.7796, 31.6133, 20.0730



6.6331, 6.6462, 6.9189



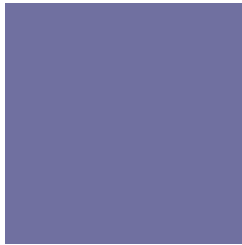
11.2931, 5.8218, 0.5286



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 18.8214, 17.5712, 35.6573 looks on a white background.

Color Contrast Check

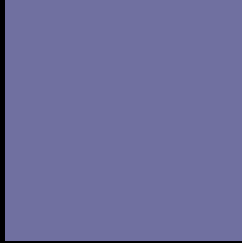
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8214, 17.5712, 35.6573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

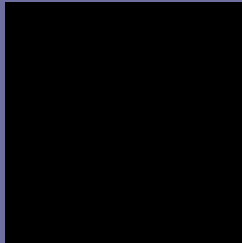
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8214, 17.5712, 35.6573

Background



This preview shows how black text looks on a background with the XYZ color 18.8214, 17.5712, 35.6573.

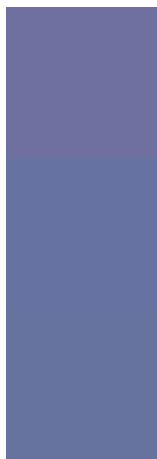


This preview shows how white text looks on a background with the XYZ color 18.8214, 17.5712,

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

18.8214, 17.5712, 35.6573

Protanopia

18.1318, 17.6949, 36.6422

Deuteranopia

17.9823, 17.6482, 35.2596



Tritanopia

16.2004, 17.5186, 22.9497

Trichromacy



Original Color

18.8214, 17.5712, 35.6573

Protanomaly

18.3942, 17.6720, 36.1598

Deuteranomaly

18.2192, 17.6020, 35.2382

Tritanomaly

17.1634, 17.5724, 27.2981

Monochromacy



Original Color

18.8214, 17.5712, 35.6573

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4346, 17.5998, 24.6685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8214, 17.5712, 35.6573 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, 112, 160)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 160)  
}
```

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, 112, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 160) }
```

Border

The CSS property to change the border of an element to XYZ 18.8214, 17.5712, 35.6573 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, 112, 160) }
```


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

```
.border{ border-color:rgb(112, 112, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 160);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8214, 17.5712, 35.6573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 160) }
```

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

```
.background{ background-color: rgb(112,  
112, 160) }
```

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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