

Converting Colors

XYZ(18.5151, 17.2241, 35.4584)

Have a look what the booklet for
XYZ(18.5151, 17.2241, 35.4584)
contains.

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Color

**XYZ(18.5851, 17.2865,
35.6148)**

Conversions

Conversions Part 1

Format	Color
Hex	6F6FA0
RGB	111, 111, 160
RGB Percent	44%, 44%, 63%
CMY	0.5647, 0.5647, 0.3725
CMYK	0.31, 0.31, 0.00, 0.37
HSL	240°, 21%, 53%
HSV	240°, 31%, 63%
XYZ	18.5851, 17.2865, 35.6148
YIQ	116.5860, -15.7290, 15.2390

Conversions

Conversions Part 2

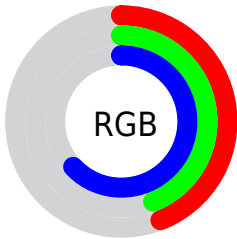
Format	Color
R_{YB}	111, 111, 160
Decimal	7303072
CIE _{Lab}	48.62, 11.68, -26.39
CIE _{LCh}	49, 28.858, 293.874
Yxy	17.2865, 0.2600, 0.2418
Android (android.graphics.Color)	4285493152 (0xFF6F6FA0)
YUV	116.5860, 21.4031, -4.8989
Hunter-Lab	41.5770, 7.0304, -21.6838

Details

The XYZ color **18.5851, 17.2865, 35.6148** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.9374, 33.7628, 19.9783**, and the grayscale version is **16.7206, 17.5914, 19.1571**.

A 20% lighter version of the original color is **40.6728, 38.9932, 69.6727**, and **6.4087, 5.6298, 14.9362** is the 20% darker color. If you saturate the color by 10%, you get **15.1572, 13.1560, 34.9985**, and if you desaturate by 10%, it is **22.6875, 22.2296, 36.3530**.

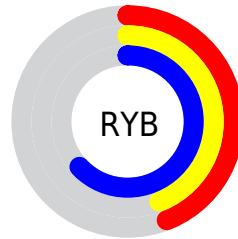
Distribution



Red (44%)

Green (44%)

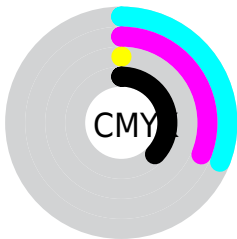
Blue (63%)



Red (44%)

Yellow (44%)

Blue (63%)

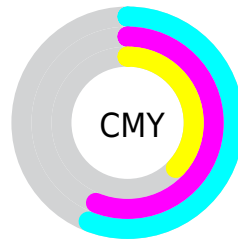


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (37%)



Cyan (56%)

Magenta (56%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5851, 17.2865, 35.6148 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 18.5851, 17.2865, 35.6148 by changing the saturation by 10% instead.

■ 18.5851, 17.2865,
35.6148

■ 18.5851, 17.2865,
35.6148

237.1309,
236.8180, 342.2601

■ 11.4731, 10.4390,
23.8495

■ 40.5541, 38.8177,
69.5994

■ 6.4556, 5.6910,
15.0109

■ 56.1419, 54.2702,
92.6559

■ 3.1673, 2.6581,
8.6803

■ 75.2856, 73.3598,
120.3131

■ 1.2429, 0.9560,
4.4393

■ 98.3506, 96.4708,
152.9897

■ 0.1398, 0.0000,
1.8693

125.7023,
123.9878, 191.1041

■ 0.0000, 0.0000,
0.4731

157.7060,

■ 0.0000, 0.0000,

156.2951, 235.0750

0.0000

194.7271,
193.7770, 285.3208

■ 18.5851, 17.2865,
35.6148

■ 18.5851, 17.2865,
35.6148

■ 15.1572, 13.1560,
34.9985

■ 22.6875, 22.2296,
36.3530

■ 12.3660, 9.7929,
34.4965

■ 27.4960, 28.0234,
37.2179

■ 10.1729, 7.1503,
34.1020

■ 33.0421, 34.7060,
38.2154

■ 8.5343, 5.1758,
33.8072

■ 39.3550, 42.3127,
39.3510

■ 7.4004, 3.8096,
33.6033

■ 46.4625, 50.8767,
40.6294

■ 6.7131, 2.9814,
33.4797

■ 54.3908, 60.4297,
42.0554

■ 6.3453, 2.5382,
33.4135

■ 63.1650, 71.0019,
43.6336

■ 72.8090, 82.6221,
45.3682

■ 83.3451, 95.3178,
47.2634

Harmonies

Analogous

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



15.8913, 17.2865, 37.4315



18.5851, 17.2865, 35.6148



20.9102, 17.2865, 28.8290

Triad

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



18.5851, 17.2865, 35.6148



19.6289, 17.2865, 9.3076



11.8576, 17.2865, 17.3039

Complementary

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



18.5851, 17.2865, 35.6148



29.9374, 33.7628, 19.9783

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.



12.6409, 17.2865, 11.4488



18.5851, 17.2865, 35.6148



16.9814, 17.2865, 7.7033

Square

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



18.5851, 17.2865, 35.6148



21.5568, 17.2865, 13.5014



14.4488, 17.2865, 8.3652



12.1887, 17.2865, 25.3838

Rectangle

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



18.5851, 17.2865, 35.6148



21.8409, 17.2865, 23.1838



14.4488, 17.2865, 8.3652



11.9964, 17.2865, 15.0448

Sweetspot

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



18.5857, 17.2872, 35.6152



51.3010, 52.5408, 67.8241



25.4006, 31.0310, 37.5355



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.



18.5857, 17.2872, 35.6152



29.2104, 25.9232, 63.8507



21.9708, 19.0320, 35.7736



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.



23.0513, 19.9906, 17.6834



38.6846, 31.6588, 25.8067



25.6453, 31.5505, 19.7775



6.6331, 6.6462, 6.9189



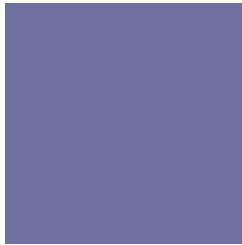
11.2931, 5.8218, 0.5286



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 18.5851, 17.2865, 35.6148 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 18.5851, 17.2865, 35.6148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

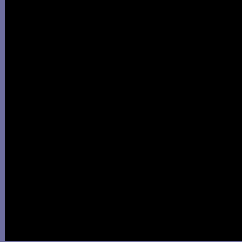
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5851, 17.2865, 35.6148

Background



This preview shows how black text looks on a background with the XYZ color 18.5851, 17.2865, 35.6148.



This preview shows how white text looks on a background with the XYZ color 18.5851, 17.2865,

35.6148.

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

18.5851, 17.2865, 35.6148

Protanopia

17.7944, 17.3526, 36.5939

Deuteranopia

17.6422, 17.3045, 35.2112



Tritanopia

15.9010, 17.1979, 22.5601

Trichromacy



Original Color

18.5851, 17.2865, 35.6148

Protanomaly

18.0471, 17.3265, 36.1114

Deuteranomaly

17.9888, 17.3167, 35.1952

Tritanomaly

16.8543, 17.2513, 26.8676

Monochromacy



Original Color

18.5851, 17.2865, 35.6148

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 18.5851, 17.2865, 35.6148 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(111, 111, 160)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 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(111, 111, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 160) }
```

Border

The CSS property to change the border of an element to XYZ 18.5851, 17.2865, 35.6148 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(111, 111, 160) }
```


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

```
.border{ border-color:rgb(111, 111, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 111, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 160);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5851, 17.2865, 35.6148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 111, 160) }
```

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

```
.background{ background-color: rgb(111,  
111, 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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