

Converting Colors

XYZ(18.1653, 17.2325, 32.9837)

Have a look what the booklet for
XYZ(18.1653, 17.2325, 32.9837)
contains.

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Color

**XYZ(18.1825, 17.3009,
32.9529)**

Conversions

Conversions Part 1

Format	Color
Hex	6F709A
RGB	111, 112, 154
RGB Percent	44%, 44%, 60%
CMY	0.5647, 0.5608, 0.3961
CMYK	0.28, 0.27, 0.00, 0.40
HSL	239°, 18%, 52%
HSV	239°, 28%, 60%
XYZ	18.1825, 17.3009, 32.9529
YIQ	116.4890, -14.0780, 12.8500

Conversions

Conversions Part 2

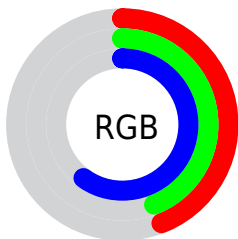
Format	Color
R_{YB}	111, 112, 154
Decimal	7303322
CIE Lab	48.64, 9.49, -22.84
CIE LCh	49, 24.730, 292.570
Yxy	17.3009, 0.2657, 0.2528
Android (android.graphics.Color)	4285493402 (0xFF6F709A)
YUV	116.4890, 18.4929, -4.8139
Hunter-Lab	41.5944, 5.2391, -17.8561

Details

The XYZ color **18.1825, 17.3009, 32.9529** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.5874, 30.8008, 19.5309**, and the grayscale version is **16.6991, 17.5687, 19.1324**.

A 20% lighter version of the original color is **40.0939, 39.0469, 65.7452**, and **6.2682, 5.6702, 13.5961** is the 20% darker color. If you saturate the color by 10%, you get **14.8859, 13.3404, 32.3625**, and if you desaturate by 10%, it is **22.0916, 21.9896, 33.6522**.

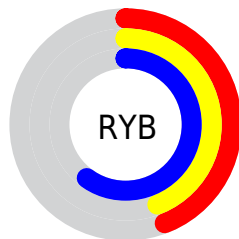
Distribution



Red (44%)

Green (44%)

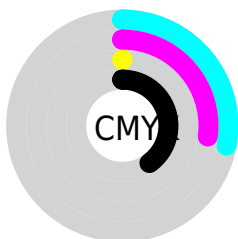
Blue (60%)



Red (44%)

Yellow (44%)

Blue (60%)

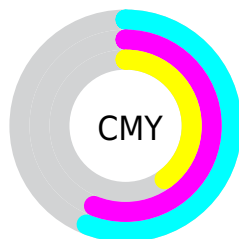


Cyan (28%)

Magenta (27%)

Yellow (0%)

Black (40%)



Cyan (56%)

Magenta (56%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1825, 17.3009, 32.9529 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 18.1825, 17.3009, 32.9529 by changing the saturation by 10% instead.

■ 18.1825, 17.3009,
32.9529

■ 18.1825, 17.3009,
32.9529

234.9234,
236.9005, 330.0629

■ 11.1816, 10.4493,
21.8195

■ 39.8757, 38.8424,
65.4172

■ 6.2573, 5.6978,
13.5273

■ 55.2987, 54.3011,
87.5851

■ 3.0443, 2.6622,
7.6577

■ 74.2597, 73.3975,
114.2684

■ 1.1772, 0.9580,
3.7921

■ 97.1242, 96.5161,
145.8855

■ 0.0883, 0.0000,
1.5120

124.2575,
124.0414, 182.8549

■ 0.0000, 0.0000,
0.2268

156.0249,

■ 0.0000, 0.0000,

156.3576, 225.5953

0.0000

192.7917,
193.8491, 274.5251

■ 18.1825, 17.3009,
32.9529

■ 18.1825, 17.3009,
32.9529

■ 14.8859, 13.3404,
32.3625

■ 22.0916, 21.9896,
33.6522

■ 12.1693, 10.0696,
31.8743

■ 26.6402, 27.4382,
34.4641

■ 9.9995, 7.4497,
31.4830

■ 31.8558, 33.6791,
35.3939

■ 8.3395, 5.4373,
31.1821

■ 37.7638, 40.7423,
36.4458

■ 7.1476, 3.9834,
30.9643

■ 44.3881, 48.6560,
37.6241

■ 6.3758, 3.0319,
30.8213

■ 51.7518, 57.4472,
38.9329

■ 5.9457, 2.4994,
30.7412

■ 59.8766, 67.1419,
40.3760

■ 5.8716, 2.4108,
30.7280

■ 68.7836, 77.7646,
41.9569

■ 78.4928, 89.3392,
43.6793

Harmonies

Analogous

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



15.8842, 17.3009, 34.2100



18.1825, 17.3009, 32.9529



20.1720, 17.3009, 27.5341

Triad

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



18.1825, 17.3009, 32.9529



19.2516, 17.3009, 10.5311



12.4729, 17.3009, 17.2620

Complementary

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



18.1825, 17.3009, 32.9529



27.5874, 30.8008, 19.5309

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.



13.2061, 17.3009, 12.1974



18.1825, 17.3009, 32.9529



17.0168, 17.3009, 8.9380

Square

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



18.1825, 17.3009, 32.9529



20.8279, 17.3009, 14.4229



14.8200, 17.3009, 9.4684



12.7229, 17.3009, 24.0724

Rectangle

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



18.1825, 17.3009, 32.9529



20.9855, 17.3009, 22.8495



14.8200, 17.3009, 9.4684



12.6100, 17.3009, 15.3254

Sweetspot

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



18.1831, 17.3016, 32.9533



48.1815, 49.5892, 62.5685



23.8257, 28.7767, 34.2487



10.6223, 10.8850, 14.1115



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.1831, 17.3016, 32.9533



28.8628, 26.4235, 59.1153



20.8882, 18.5334, 33.0485



5.8954, 6.0482, 7.7857



4.7875, 1.9716, 25.0359



0.0743, 0.0348, 0.3752

Inverse Universe

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



21.9360, 19.4095, 17.9201



36.9316, 30.9798, 26.7886



24.2463, 29.3222, 19.4216



6.2143, 6.2249, 6.5087



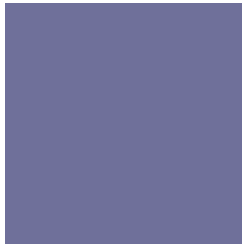
10.8753, 5.6043, 0.6021



0.1639, 0.0843, 0.0161

Previews

White Background



This preview shows how the XYZ color 18.1825, 17.3009, 32.9529 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 18.1825, 17.3009, 32.9529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

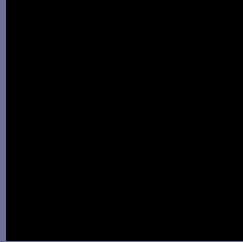
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1825, 17.3009, 32.9529

Background



This preview shows how black text looks on a background with the XYZ color 18.1825, 17.3009, 32.9529.



This preview shows how white text looks on a background with the XYZ color 18.1825, 17.3009,

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

18.1825, 17.3009, 32.9529

Protanopia

17.6426, 17.3442, 33.4283

Deuteranopia

17.7939, 17.4319, 32.9987



Tritanopia

16.0178, 17.2581, 22.5656

Trichromacy



Original Color

18.1825, 17.3009, 32.9529

Protanomaly

17.8849, 17.3026, 33.4074

Deuteranomaly

17.9222, 17.3315, 32.9726

Tritanomaly

16.7095, 17.1934, 26.1049

Monochromacy



Original Color

18.1825, 17.3009, 32.9529

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0994, 17.4506, 23.5862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1825, 17.3009, 32.9529 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, 112, 154)` looks like.

```
.text, #text, p{  
    color:rgb(111, 112, 154)  
}
```

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, 112, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 112, 154) }
```

Border

The CSS property to change the border of an element to XYZ 18.1825, 17.3009, 32.9529 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, 112, 154) }
```


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

```
.border{ border-color:rgb(111, 112, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 112, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 112, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 112, 154);  
box-shadow:4px 4px 4px 4px rgb(111, 112,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1825, 17.3009, 32.9529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 112, 154) }
```

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

```
.background{ background-color: rgb(111,  
112, 154) }
```

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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