

Converting Colors

XYZ(18.2309, 16.5546, 32.3715)

Have a look what the booklet for
XYZ(18.2309, 16.5546, 32.3715)
contains.

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Color

**XYZ(18.2099, 16.5283,
32.3675)**

Conversions

Conversions Part 1

Format	Color
Hex	746B99
RGB	116, 107, 153
RGB Percent	45%, 42%, 60%
CMY	0.5451, 0.5804, 0.4000
CMYK	0.24, 0.30, 0.00, 0.40
HSL	252°, 18%, 51%
HSV	252°, 30%, 60%
XYZ	18.2099, 16.5283, 32.3675
YIQ	114.9350, -9.4020, 16.2140

Conversions

Conversions Part 2

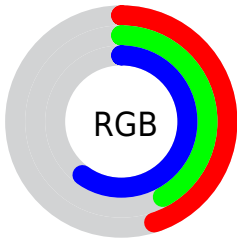
Format	Color
R_{YB}	116, 107, 153
Decimal	7629721
CIE _{Lab}	47.66, 13.85, -23.72
CIE _{LCh}	48, 27.466, 300.274
Yxy	16.5283, 0.2714, 0.2463
Android (android.graphics.Color)	4285819801 (0xFF746B99)
YUV	114.9350, 18.7660, 0.9340
Hunter-Lab	40.6550, 8.8062, -18.7452

Details

The XYZ color **18.2099, 16.5283, 32.3675** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.5472, 29.7737, 18.3110**, and the grayscale version is **16.2234, 17.0683, 18.5874**.

A 20% lighter version of the original color is **39.9742, 37.4428, 64.7948**, and **6.3289, 5.3843, 13.2761** is the 20% darker color. If you saturate the color by 10%, you get **15.2248, 12.8276, 31.8108**, and if you desaturate by 10%, it is **21.6951, 20.9066, 33.0292**.

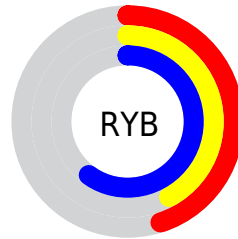
Distribution



Red (45%)

Green (42%)

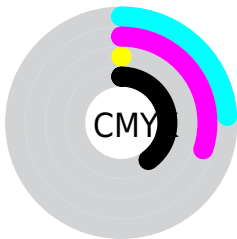
Blue (60%)



Red (45%)

Yellow (42%)

Blue (60%)

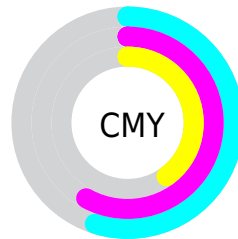


Cyan (24%)

Magenta (30%)

Yellow (0%)

Black (40%)



Cyan (55%)

Magenta (58%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2099, 16.5283, 32.3675 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 18.2099, 16.5283, 32.3675 by changing the saturation by 10% instead.

■ 18.2099, 16.5283,
32.3675

■ 18.2099, 16.5283,
32.3675

235.0743,
232.4392, 327.3341

■ 11.2014, 9.8988,
21.3752

■ 39.9219, 37.5130,
64.4914

■ 6.2707, 5.3319,
13.2046

■ 55.3562, 52.6369,
86.4600

■ 3.0526, 2.4433,
7.4372

■ 74.3297, 71.3610,
112.9245

■ 1.1817, 0.8480,
3.6545

■ 97.2079, 94.0698,
144.3035

■ 0.0918, 0.0000,
1.4378

124.3561,
121.1476, 181.0154

■ 0.0000, 0.0000,
0.1709

156.1397,

■ 0.0000, 0.0000,

152.9789, 223.4787

0.0000

192.9239,
189.9480, 272.1121

■ 18.2099, 16.5283,
32.3675

■ 18.2099, 16.5283,
32.3675

■ 15.2248, 12.8276,
31.8108

■ 21.6951, 20.9066,
33.0292

■ 12.7148, 9.7684,
31.3526

■ 25.7006, 25.9921,
33.7997

■ 10.6553, 7.3141,
30.9874

■ 30.2473, 31.8153,
34.6840

■ 9.0184, 5.4238,
30.7088

■ 35.3546, 38.4040,
35.6866

■ 7.7735, 4.0514,
30.5096

■ 41.0409, 45.7848,
36.8115

■ 6.8850, 3.1430,
30.3810

■ 47.3237, 53.9830,
38.0628

■ 6.2833, 2.5749,
30.3031

■ 54.2199, 63.0225,
39.4441

■ 61.7455, 72.9266,
40.9592

■ 69.9161, 83.7175,
42.6114

Harmonies

Analogous

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



15.7322, 16.5283, 35.1693



18.2099, 16.5283, 32.3675



20.1727, 16.5283, 25.5612

Triad

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



18.2099, 16.5283, 32.3675



18.1668, 16.5283, 8.6290



11.4487, 16.5283, 18.0612

Complementary

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



18.2099, 16.5283, 32.3675



25.5472, 29.7737, 18.3110

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.



11.9588, 16.5283, 12.0943



18.2099, 16.5283, 32.3675



15.6871, 16.5283, 7.5851

Square

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



18.2099, 16.5283, 32.3675



20.1460, 16.5283, 12.0086



13.4494, 16.5283, 8.6686



11.9776, 16.5283, 25.7029

Rectangle

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



18.2099, 16.5283, 32.3675



20.8331, 16.5283, 20.3767



13.4494, 16.5283, 8.6686



11.5037, 16.5283, 15.8093

Sweetspot

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



18.2105, 16.5290, 32.3679



46.7083, 47.4186, 60.6629



21.8730, 25.5448, 33.9151



10.0855, 10.1795, 13.3508



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.



18.2105, 16.5290, 32.3679



28.9612, 25.0637, 57.2833



21.5611, 18.2563, 32.5247



5.9917, 6.0816, 7.7870



5.2158, 2.1399, 25.0458



0.1023, 0.0445, 0.3756

Inverse Universe

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



23.4291, 19.3019, 28.8770



39.8998, 30.8820, 49.6967



22.0104, 27.9504, 18.1455



6.4094, 6.3029, 7.5360



13.8274, 6.7852, 16.1481



0.2185, 0.1062, 0.3035

Previews

White Background



This preview shows how the XYZ color 18.2099, 16.5283, 32.3675 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 18.2099, 16.5283, 32.3675 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 18.2099, 16.5283, 32.3675

Background



This preview shows how black text looks on a background with the XYZ color 18.2099, 16.5283, 32.3675.



This preview shows how white text looks on a background with the XYZ color 18.2099, 16.5283,

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

18.2099, 16.5283, 32.3675

Protanopia

17.0505, 16.6980, 33.7769

Deuteranopia

16.8314, 16.4607, 31.9959



Tritanopia

15.8484, 16.5304, 20.7677

Trichromacy



Original Color

18.2099, 16.5283, 32.3675

Protanomaly

17.4362, 16.5826, 33.2921

Deuteranomaly

17.3068, 16.5447, 31.9870

Tritanomaly

16.6002, 16.5071, 24.5016

Monochromacy



Original Color

18.2099, 16.5283, 32.3675

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.8268, 16.8182, 23.1282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2099, 16.5283, 32.3675 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(116, 107, 153)` looks like.

```
.text, #text, p{  
    color:rgb(116, 107, 153)  
}
```

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(116, 107, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 107, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.2099, 16.5283, 32.3675 is called "border". The border property can be set on classes, ids or directly on the HTML element.

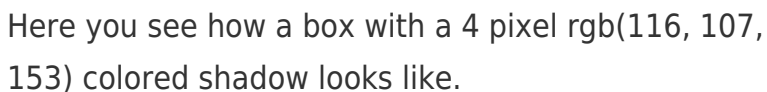
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 107, 153) }
```


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

```
.border{ border-color:rgb(116, 107, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 107, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 107, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 107, 153);  
box-shadow:4px 4px 4px 4px rgb(116, 107,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2099, 16.5283, 32.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 107, 153) }
```

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

```
.background{ background-color: rgb(116,  
107, 153) }
```

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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