

Converting Colors

XYZ(16.9276, 15.6031, 45.6141)

Have a look what the booklet for
XYZ(16.9276, 15.6031, 45.6141)
contains.

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Color

**XYZ(16.9915, 15.6009,
45.8318)**

Conversions

Conversions Part 1

Format	Color
Hex	516BB5
RGB	81, 107, 181
RGB Percent	32%, 42%, 71%
CMY	0.6823, 0.5804, 0.2902
CMYK	0.55, 0.41, 0.00, 0.29
HSL	224°, 40%, 51%
HSV	224°, 55%, 71%
XYZ	16.9915, 15.6009, 45.8318
YIQ	107.6620, -39.2500, 17.5020

Conversions

Conversions Part 2

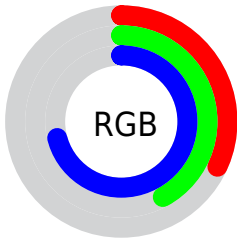
Format	Color
R _Y B	81, 102, 181
Decimal	5335989
CIE Lab	46.45, 12.50, -42.22
CIE LCh	46, 44.033, 286.492
Yxy	15.6009, 0.2167, 0.1989
Android (android.graphics.Color)	4283526069 (0xFF516BB5)
YUV	107.6620, 36.1556, -23.3826
Hunter-Lab	39.4980, 7.6669, -41.1491

Details

The XYZ color **16.9915, 15.6009, 45.8318** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.2636, 33.8619, 12.6210**, and the grayscale version is **14.0700, 14.8027, 16.1201**.

A 20% lighter version of the original color is **37.8294, 35.8865, 85.0537**, and **5.6932, 4.8836, 21.0646** is the 20% darker color. If you saturate the color by 10%, you get **14.3522, 12.3255, 45.3390**, and if you desaturate by 10%, it is **20.2618, 19.5231, 46.4168**.

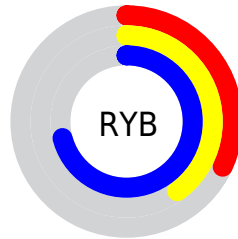
Distribution



Red (32%)

Green (42%)

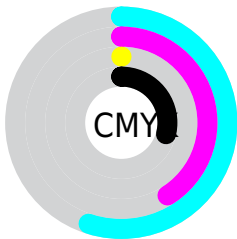
Blue (71%)



Red (32%)

Yellow (40%)

Blue (71%)

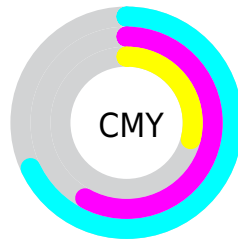


Cyan (55%)

Magenta (41%)

Yellow (0%)

Black (29%)



Cyan (68%)

Magenta (58%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9915, 15.6009, 45.8318 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 16.9915, 15.6009, 45.8318 by changing the saturation by 10% instead.

■ 16.9915, 15.6009,
45.8318

■ 16.9915, 15.6009,
45.8318

228.2806,
226.9751, 386.3899

■ 10.3237, 9.2422,
31.7654

■ 37.8549, 35.9039,
85.2988

■ 5.6780, 4.8995,
20.9190

■ 52.7812, 50.6171,
111.5366

■ 2.6891, 2.1884,
12.8742

■ 71.1910, 68.8838,
142.6685

■ 0.9916, 0.7137,
7.2122

■ 93.4497, 91.0885,
179.1132

■ 0.0000, 0.0000,
3.5147

119.9227,
117.6156, 221.2891

■ 0.0000, 0.0000,
1.3631

150.9752,

■ 0.0000, 0.0000,

148.8494, 269.6148

0.1127

186.9727,
185.1745, 324.5089

■ 0.0000, 0.0000,
0.0000

■ 16.9915, 15.6009,
45.8318

■ 16.9915, 15.6009,
45.8318

■ 14.3522, 12.3255,
45.3390

■ 20.2618, 19.5231,
46.4168

■ 12.2984, 9.6582,
44.9324

■ 24.2003, 24.1246,
47.0974

■ 10.7811, 7.5579,
44.6070

■ 28.8438, 29.4374,
47.8781

■ 9.7408, 5.9767,
44.3566

■ 34.2254, 35.4909,
48.7629

■ 9.3593, 5.3738,
44.2603

■ 40.3763, 42.3128,
49.7555

■ 47.3257, 49.9296,
50.8594

■ 55.1014, 58.3660,
52.0780

■ 63.7298, 67.6461,
53.4145

■ 73.2360, 77.7926,
54.8719

Harmonies

Analogous

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



13.1925, 15.6009, 46.3784



16.9915, 15.6009, 45.8318



20.7572, 15.6009, 35.7542

Triad

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



16.9915, 15.6009, 45.8318



20.4237, 15.6009, 5.9112



8.8181, 15.6009, 12.5688

Complementary

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



16.9915, 15.6009, 45.8318



32.2636, 33.8619, 12.6210

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.



10.1516, 15.6009, 6.2991



16.9915, 15.6009, 45.8318



16.5938, 15.6009, 3.7122

Square

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



16.9915, 15.6009, 45.8318



22.9578, 15.6009, 11.7305



12.8568, 15.6009, 3.8151



8.8877, 15.6009, 23.6168

Rectangle

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



16.9915, 15.6009, 45.8318



22.5526, 15.6009, 26.7297



12.8568, 15.6009, 3.8151



9.1059, 15.6009, 9.9560

Sweetspot

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



16.9921, 15.6014, 45.8322



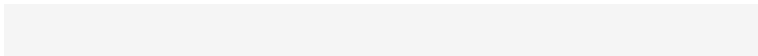
59.2225, 61.2437, 86.9945



25.7784, 37.1418, 36.5288



12.3796, 12.7653, 18.7337



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.9921, 15.6014, 45.8322



24.9447, 21.1076, 81.0540



17.0314, 12.1850, 45.1707



8.2157, 8.5775, 10.7289



6.5011, 3.8025, 30.5283



0.2529, 0.2163, 0.9767

Inverse Universe

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



24.6529, 16.7709, 15.8481



40.3717, 24.6535, 20.4058



32.0447, 40.8776, 13.9867



8.5840, 8.5403, 9.3080



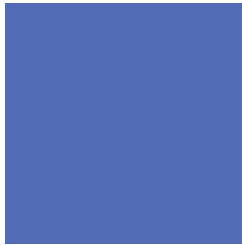
13.5161, 6.9240, 2.6117



0.4497, 0.2276, 0.2106

Previews

White Background



This preview shows how the XYZ color 16.9915, 15.6009, 45.8318 looks on a white background.

Color Contrast Check

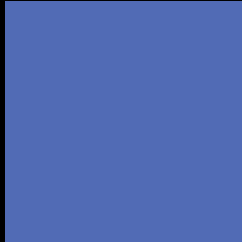
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9915, 15.6009, 45.8318 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 16.9915, 15.6009, 45.8318

Background



This preview shows how black text looks on a background with the XYZ color 16.9915, 15.6009, 45.8318.



This preview shows how white text looks on a background with the XYZ color 16.9915, 15.6009,

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

16.9915, 15.6009, 45.8318

Protanopia

16.9065, 15.5571, 45.8278

Deuteranopia

15.9941, 15.5710, 45.3425



Tritanopia

12.2992, 15.5075, 22.7671

Trichromacy



Original Color

16.9915, 15.6009, 45.8318

Protanomaly

16.9065, 15.5571, 45.8278

Deuteranomaly

16.3054, 15.5722, 45.3264

Tritanomaly

13.6677, 15.3702, 29.8501

Monochromacy



Original Color

16.9915, 15.6009, 45.8318

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.7727, 15.0711, 25.0521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9915, 15.6009, 45.8318 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(81, 107, 181)` looks like.

```
.text, #text, p{  
    color:rgb(81, 107, 181)  
}
```

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(81, 107, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 107, 181) }
```

Border

The CSS property to change the border of an element to XYZ 16.9915, 15.6009, 45.8318 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(81, 107, 181) }
```


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

```
.border{ border-color:rgb(81, 107, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 107, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 107, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 107, 181);  
box-shadow:4px 4px 4px 4px rgb(81, 107,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9915, 15.6009, 45.8318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 107, 181) }
```

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

```
.background{ background-color: rgb(81, 107,  
181) }
```

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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