

Converting Colors

XYZ(17.1122, 16.0018, 45.9308)

Have a look what the booklet for
XYZ(17.1122, 16.0018, 45.9308)
contains.

XYZ(17.1174, 15.9789, 45.8981)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.1174, 15.9789,
45.8981)**

Conversions

Conversions Part 1

Format	Color
Hex	506DB5
RGB	80, 109, 181
RGB Percent	31%, 43%, 71%
CMY	0.6863, 0.5725, 0.2902
CMYK	0.56, 0.40, 0.00, 0.29
HSL	223°, 41%, 51%
HSV	223°, 56%, 71%
XYZ	17.1174, 15.9789, 45.8981
YIQ	108.5370, -40.3960, 16.2440

Conversions

Conversions Part 2

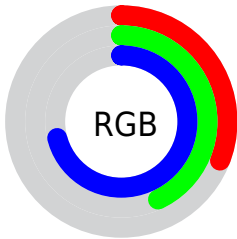
Format	Color
R_{YB}	80, 103, 181
Decimal	5270965
CIE _{Lab}	46.95, 11.04, -41.43
CIE _{LCh}	47, 42.876, 284.918
Yxy	15.9789, 0.2167, 0.2023
Android (android.graphics.Color)	4283461045 (0xFF506DB5)
YUV	108.5370, 35.7243, -25.0269
Hunter-Lab	39.9736, 6.4830, -40.0958

Details

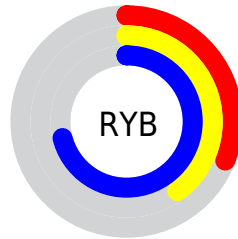
The XYZ color **17.1174, 15.9789, 45.8981** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.7334, 32.8612, 12.2608**, and the grayscale version is **14.3161, 15.0616, 16.4021**.

A 20% lighter version of the original color is **38.0102, 36.4903, 85.1607**, and **5.7569, 5.0749, 21.0982** is the 20% darker color. If you saturate the color by 10%, you get **14.5130, 12.7409, 45.4107**, and if you desaturate by 10%, it is **20.3368, 19.8344, 46.4729**.

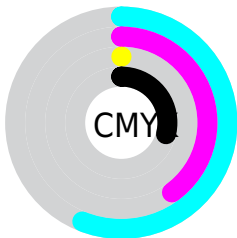
Distribution



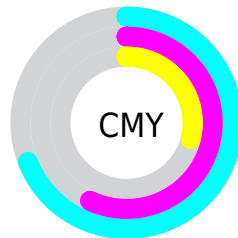
- Red (31%)
- Green (43%)
- Blue (71%)



- Red (31%)
- Yellow (40%)
- Blue (71%)



- Cyan (56%)
- Magenta (40%)
- Yellow (0%)
- Black (29%)



- Cyan (69%)
- Magenta (57%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1174, 15.9789, 45.8981 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 17.1174, 15.9789, 45.8981 by changing the saturation by 10% instead.

■ 17.1174, 15.9789,
45.8981

■ 17.1174, 15.9789,
45.8981

228.9911,
229.2172, 386.6645

■ 10.4141, 9.5092,
31.8173

■ 38.0695, 36.5616,
85.3992

■ 5.7387, 5.0748,
20.9584

■ 53.0490, 51.4434,
111.6565

■ 2.7260, 2.2912,
12.9026

■ 71.5179, 69.8980,
142.8098

■ 1.0106, 0.7691,
7.2316

■ 93.8415, 92.3098,
179.2776

■ 0.0000, 0.0000,
3.5267

■ 120.3853,
119.0632, 221.4785

■ 0.0000, 0.0000,
1.3695

151.5146,

■ 0.0000, 0.0000,

150.5427, 269.8308

0.1177

187.5948,
187.1325, 324.7533

■ 0.0000, 0.0000,
0.0000

■ 17.1174, 15.9789,
45.8981

■ 17.1174, 15.9789,
45.8981

■ 14.5130, 12.7409,
45.4107

■ 20.3368, 19.8344,
46.4729

■ 12.4790, 10.0836,
45.0050

■ 24.2076, 24.3378,
47.1382

■ 10.9674, 7.9687,
44.6764

■ 28.7656, 29.5192,
47.8980

■ 9.9181, 6.3500,
44.4193

■ 34.0432, 35.4063,
48.7562

■ 9.5670, 5.7891,
44.3296

■ 40.0709, 42.0252,
49.7161

■ 46.8772, 49.4007,
50.7810

■ 54.4890, 57.5562,
51.9540

■ 62.9323, 66.5143,
53.2380

■ 72.2314, 76.2965,
54.6361

Harmonies

Analogous

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



13.3900, 15.9789, 45.8688



17.1174, 15.9789, 45.8981



20.8597, 15.9789, 36.4658

Triad

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



17.1174, 15.9789, 45.8981



20.8778, 15.9789, 6.5223



9.2423, 15.9789, 12.5654

Complementary

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



17.1174, 15.9789, 45.8981



31.7334, 32.8612, 12.2608

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.



10.6498, 15.9789, 6.5005



17.1174, 15.9789, 45.8981



17.1391, 15.9789, 4.1174

Square

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



17.1174, 15.9789, 45.8981



23.2613, 15.9789, 12.6116



13.4083, 15.9789, 4.1115



9.2384, 15.9789, 23.2648

Rectangle

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



17.1174, 15.9789, 45.8981



22.6864, 15.9789, 27.6854



13.4083, 15.9789, 4.1115



9.5552, 15.9789, 10.0392

Sweetspot

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



17.1180, 15.9794, 45.8985



59.4823, 61.7632, 87.0810



25.3945, 36.9784, 34.9506



12.4408, 12.8878, 18.7541



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.



17.1180, 15.9794, 45.8985



25.0587, 21.6236, 81.1476



16.4878, 11.7953, 45.1241



8.2341, 8.6144, 10.7351



6.6477, 4.0958, 30.5772



0.2604, 0.2313, 0.9792

Inverse Universe

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



24.6856, 16.6661, 16.3841



40.3590, 24.3793, 21.1684



32.6301, 41.1837, 13.8199



8.5934, 8.5441, 9.3571



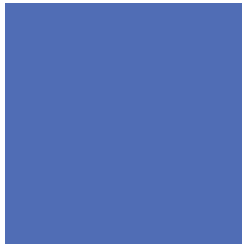
13.5901, 6.9536, 3.0015



0.4535, 0.2291, 0.2306

Previews

White Background



This preview shows how the XYZ color 17.1174, 15.9789, 45.8981 looks on a white background.

Color Contrast Check

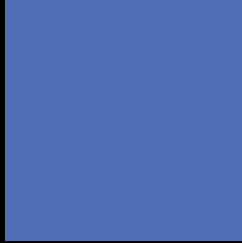
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1174, 15.9789, 45.8981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

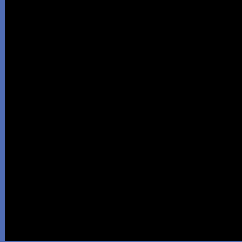
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.1174, 15.9789, 45.8981

Background



This preview shows how black text looks on a background with the XYZ color 17.1174, 15.9789, 45.8981.

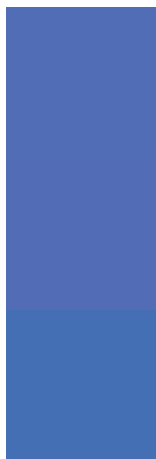


This preview shows how white text looks on a background with the XYZ color 17.1174, 15.9789,

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

17.1174, 15.9789, 45.8981

Protanopia

17.2888, 16.0673, 45.9061

Deuteranopia

16.3066, 15.8931, 45.3882



Tritanopia

12.6092, 16.0053, 23.5439

Trichromacy



Original Color

17.1174, 15.9789, 45.8981

Protanomaly

17.2025, 16.0228, 45.9021

Deuteranomaly

16.4866, 15.8249, 45.3656

Tritanomaly

13.9849, 15.8540, 30.7568

Monochromacy



Original Color

17.1174, 15.9789, 45.8981

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.8788, 15.2832, 25.0874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1174, 15.9789, 45.8981 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(80, 109, 181)` looks like.

```
.text, #text, p{  
    color:rgb(80, 109, 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(80, 109, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 109, 181) }
```

Border

The CSS property to change the border of an element to XYZ 17.1174, 15.9789, 45.8981 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(80, 109, 181) }
```


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

```
.border{ border-color:rgb(80, 109, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 109, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 109, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 109, 181);  
box-shadow:4px 4px 4px 4px rgb(80, 109,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1174, 15.9789, 45.8981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 109, 181) }
```

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

```
.background{ background-color: rgb(80, 109,  
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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