

Converting Colors

XYZ(17.6183, 17.7480, 45.6771)

Have a look what the booklet for
XYZ(17.6183, 17.7480, 45.6771)
contains.

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Color

**XYZ(17.6183, 17.7480,
45.6771)**

Conversions

Conversions Part 1

Format	Color
Hex	4B76B4
RGB	75, 118, 180
RGB Percent	29%, 46%, 71%
CMY	0.7059, 0.5372, 0.2941
CMYK	0.58, 0.34, 0.00, 0.29
HSL	215°, 41%, 50%
HSV	215°, 58%, 71%
XYZ	17.6183, 17.7480, 45.6771
YIQ	112.2110, -45.5300, 10.1660

Conversions

Conversions Part 2

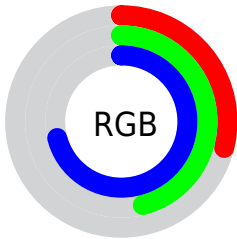
Format	Color
R _Y B	75, 106, 180
Decimal	4945588
CIE Lab	49.19, 4.10, -37.32
CIE LCh	49, 37.548, 276.270
Yxy	17.7480, 0.2174, 0.2190
Android (android.graphics.Color)	4283135668 (0xFF4B76B4)
YUV	112.2110, 33.4200, -32.6340
Hunter-Lab	42.1284, 0.9249, -34.7945

Details

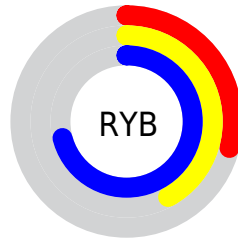
The XYZ color **17.6183, 17.7480, 45.6771** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.0390, 28.1040, 10.5517**, and the grayscale version is **15.3782, 16.1791, 17.6190**.

A 20% lighter version of the original color is **38.8751, 39.6309, 84.9575**, and **6.0209, 5.9126, 20.9026** is the 20% darker color. If you saturate the color by 10%, you get **15.2226, 14.7586, 45.2267**, and if you desaturate by 10%, it is **20.5547, 21.2261, 46.1940**.

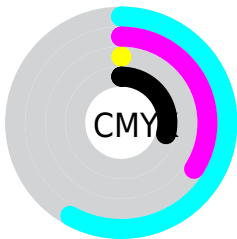
Distribution



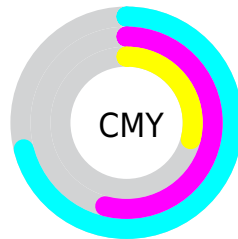
- Red (29%)
- Green (46%)
- Blue (71%)



- Red (29%)
- Yellow (42%)
- Blue (71%)



- Cyan (58%)
- Magenta (34%)
- Yellow (0%)
- Black (29%)



- Cyan (71%)
- Magenta (54%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6183, 17.7480, 45.6771 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 17.6183, 17.7480, 45.6771 by changing the saturation by 10% instead.

■ 17.6183, 17.7480,
45.6771

■ 17.6183, 17.7480,
45.6771

231.7981,
239.4468, 385.7488

■ 10.7743, 10.7692,
31.6443

■ 38.9210, 39.6075,
85.0647

■ 5.9815, 5.9119,
20.8274

■ 54.1105, 55.2569,
111.2566

■ 2.8744, 2.7916,
12.8079

■ 72.8125, 74.5654,
142.3386

■ 1.0877, 1.0239,
7.1672

■ 95.3924, 97.9173,
178.7292

■ 0.0148, 0.0000,
3.4869

■ 122.2156,
125.6970, 220.8470

■ 0.0000, 0.0000,
1.3483

153.6474,

■ 0.0000, 0.0000,

158.2888, 269.1105

0.1009

190.0531,
196.0773, 323.9382

■ 0.0000, 0.0000,
0.0000

■ 17.6183, 17.7480,
45.6771

■ 17.6183, 17.7480,
45.6771

■ 15.2226, 14.7586,
45.2267

■ 20.5547, 21.2261,
46.1940

■ 13.3262, 12.2288,
44.8384

■ 24.0647, 25.2156,
46.7791

■ 11.8846, 10.1287,
44.5090

■ 28.1809, 29.7399,
47.4354

■ 10.8251, 8.4130,
44.2337

■ 32.9326, 34.8202,
48.1656

■ 10.6678, 8.1544,
44.1920

■ 38.3471, 40.4763,
48.9719

■ 44.4500, 46.7272,
49.8568

■ 51.2657, 53.5906,
50.8224

■ 58.8172, 61.0838,
51.8707

■ 67.1264, 69.2231,
53.0038

Harmonies

Analogous

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



14.2912, 17.7480, 43.0298



17.6183, 17.7480, 45.6771



21.1942, 17.7480, 39.5230

Triad

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



17.6183, 17.7480, 45.6771



22.9298, 17.7480, 9.9822



11.4046, 17.7480, 12.5313

Complementary

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



17.6183, 17.7480, 45.6771



29.0390, 28.1040, 10.5517

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.



13.1762, 17.7480, 7.5378



17.6183, 17.7480, 45.6771



19.7394, 17.7480, 6.4641

Square

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



17.6183, 17.7480, 45.6771



24.5236, 17.7480, 17.2857



16.1411, 17.7480, 5.7582



11.0002, 17.7480, 21.5177

Rectangle

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



17.6183, 17.7480, 45.6771



23.1413, 17.7480, 32.1975



16.1411, 17.7480, 5.7582



11.8466, 17.7480, 10.4417

Sweetspot

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



17.6190, 17.7486, 45.6775



60.6772, 64.1530, 87.4793



23.6854, 35.9236, 29.0724



12.7231, 13.4523, 18.8482



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.



17.6190, 17.7486, 45.6775



26.5263, 25.3620, 81.7919



14.3890, 10.2017, 44.3911



8.3182, 8.7827, 10.7631



7.5082, 5.8168, 30.8640



0.2943, 0.2991, 0.9905

Inverse Universe

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



24.6091, 16.0443, 18.9398



40.9037, 23.8464, 26.3511



34.4409, 41.8370, 12.9177



8.6358, 8.5610, 9.5807



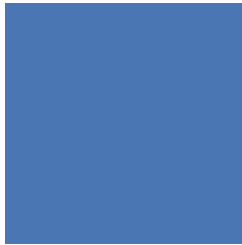
14.0244, 7.1273, 5.2887



0.4706, 0.2360, 0.3207

Previews

White Background



This preview shows how the XYZ color 17.6183, 17.7480, 45.6771 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 17.6183, 17.7480, 45.6771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

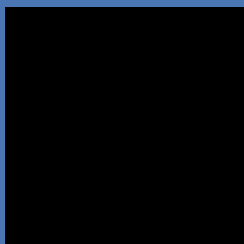
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

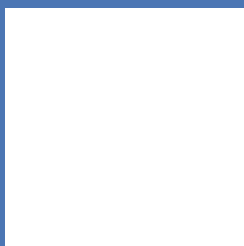
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6183, 17.7480, 45.6771

Background



This preview shows how black text looks on a background with the XYZ color 17.6183, 17.7480, 45.6771.

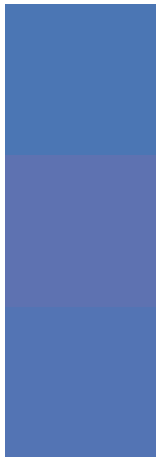


This preview shows how white text looks on a background with the XYZ color 17.6183, 17.7480,

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

17.6183, 17.7480, 45.6771

Protanopia

18.5692, 17.5886, 44.0112

Deuteranopia

18.0509, 17.6251, 45.6306



Tritanopia

13.7921, 17.8547, 26.3863

Trichromacy



Original Color

17.6183, 17.7480, 45.6771

Protanomaly

18.0971, 17.5021, 44.5439

Deuteranomaly

17.9078, 17.7233, 45.6571

Tritanomaly

15.0718, 17.8052, 32.7794

Monochromacy



Original Color

17.6183, 17.7480, 45.6771

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.6783, 16.4934, 26.0241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6183, 17.7480, 45.6771 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(75, 118, 180)` looks like.

```
.text, #text, p{  
    color:rgb(75, 118, 180)  
}
```

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(75, 118, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 118, 180) }
```

Border

The CSS property to change the border of an element to XYZ 17.6183, 17.7480, 45.6771 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(75, 118, 180) }
```


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

```
.border{ border-color:rgb(75, 118, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 118, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 118, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 118, 180);  
box-shadow:4px 4px 4px 4px rgb(75, 118,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6183, 17.7480, 45.6771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 118, 180) }
```

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

```
.background{ background-color: rgb(75, 118,  
180) }
```

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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