

Converting Colors

XYZ(16.7638, 17.2728, 44.4252)

Have a look what the booklet for
XYZ(16.7638, 17.2728, 44.4252)
contains.

XYZ(16.8291, 17.3645, 44.5842)	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(16.8291, 17.3645,
44.5842)**

Conversions

Conversions Part 1

Format	Color
Hex	4376B2
RGB	67, 118, 178
RGB Percent	26%, 46%, 70%
CMY	0.7372, 0.5372, 0.3020
CMYK	0.62, 0.34, 0.00, 0.30
HSL	212°, 45%, 48%
HSV	212°, 62%, 70%
XYZ	16.8291, 17.3645, 44.5842
YIQ	109.5910, -49.6560, 7.8480

Conversions

Conversions Part 2

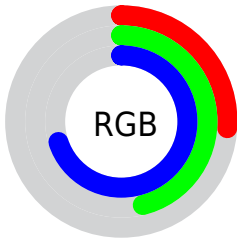
Format	Color
R _Y B	67, 102, 178
Decimal	4421298
CIE Lab	48.72, 1.82, -36.94
CIE LCh	49, 36.980, 272.817
Yxy	17.3645, 0.2136, 0.2204
Android (android.graphics.Color)	4282611378 (0xFF4376B2)
YUV	109.5910, 33.7256, -37.3523
Hunter-Lab	41.6707, -0.8350, -34.2658

Details

The XYZ color **16.8291, 17.3645, 44.5842** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.9638, 25.0508, 8.7254**, and the grayscale version is **14.6217, 15.3831, 16.7522**.

A 20% lighter version of the original color is **37.5382, 38.9750, 83.3864**, and **5.8918, 5.8610, 20.2228** is the 20% darker color. If you saturate the color by 10%, you get **14.7152, 14.6778, 44.1774**, and if you desaturate by 10%, it is **19.4349, 20.4769, 45.0480**.

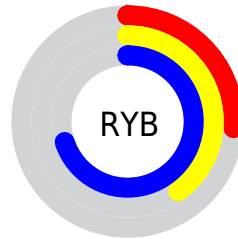
Distribution



Red (26%)

Green (46%)

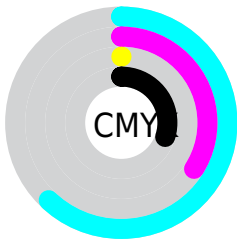
Blue (70%)



Red (26%)

Yellow (40%)

Blue (70%)

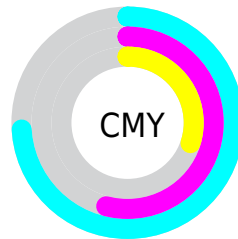


Cyan (62%)

Magenta (34%)

Yellow (0%)

Black (30%)



Cyan (74%)

Magenta (54%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8291, 17.3645, 44.5842 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 16.8291, 17.3645, 44.5842 by changing the saturation by 10% instead.

■ 16.8291, 17.3645,
44.5842

■ 16.8291, 17.3645,
44.5842

227.3611,
237.2642, 381.1978

■ 10.2073, 10.4947,
30.7895

■ 37.5776, 38.9514,
83.4079

■ 5.5999, 5.7282,
20.1815

■ 52.4351, 54.4373,
109.2740

■ 2.6417, 2.6805,
12.3416

■ 70.7684, 73.5641,
140.0010

■ 0.9673, 0.9673,
6.8514

■ 92.9430, 96.7161,
176.0074

■ 0.0000, 0.0000,
3.2923

■ 119.3242,
124.2777, 217.7117

■ 0.0000, 0.0000,
1.2458

150.2774,

■ 0.0000, 0.0000,

156.6333, 265.5325

0.0167

186.1679,
194.1674, 319.8884

■ 0.0000, 0.0000,
0.0000

■ 16.8291, 17.3645,
44.5842

■ 16.8291, 17.3645,
44.5842

■ 14.7152, 14.6778,
44.1774

■ 19.4349, 20.4769,
45.0480

■ 13.0522, 12.3898,
43.8234

■ 22.5651, 24.0360,
45.5700

■ 11.7946, 10.4719,
43.5195

■ 26.2514, 28.0629,
46.1529

■ 11.0367, 9.2158,
43.3170

■ 30.5223, 32.5770,
46.7991

■ 35.4042, 37.5961,
47.5106

■ 40.9218, 43.1374,
48.2894

■ 47.0984, 49.2167,
49.1373

■ 53.9561, 55.8496,
50.0561

■ 61.5158, 63.0506,
51.0476

Harmonies

Analogous

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



13.6837, 17.3645, 41.0440



16.8291, 17.3645, 44.5842



20.3235, 17.3645, 39.5146

Triad

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



16.8291, 17.3645, 44.5842



22.6583, 17.3645, 10.4393



11.3270, 17.3645, 11.5536

Complementary

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



16.8291, 17.3645, 44.5842



26.9638, 25.0508, 8.7254

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.



13.1965, 17.3645, 7.1002



16.8291, 17.3645, 44.5842



19.6884, 17.3645, 6.6302

Square

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



16.8291, 17.3645, 44.5842



23.9669, 17.3645, 17.9982



16.1840, 17.3645, 5.6605



10.7782, 17.3645, 19.8459

Rectangle

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



16.8291, 17.3645, 44.5842



22.3058, 17.3645, 32.6960



16.1840, 17.3645, 5.6605



11.8078, 17.3645, 9.6694

Sweetspot

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



16.8298, 17.3651, 44.5846



57.9107, 61.7329, 85.2446



22.0148, 34.5462, 25.3154



12.2984, 13.1253, 18.8075



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.



16.8298, 17.3651, 44.5846



25.4026, 24.8977, 79.8480



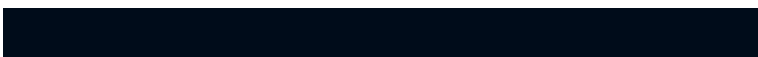
12.6206, 8.5580, 43.1065



8.3529, 8.8520, 10.7747



7.9583, 6.7170, 31.0141



0.3090, 0.3285, 0.9954

Inverse Universe

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



23.6379, 14.7882, 18.7485



39.3940, 22.0257, 26.2090



34.4565, 41.2797, 11.4630



8.6533, 8.5680, 9.6729



14.2517, 7.2182, 6.4852



0.4780, 0.2389, 0.3597

Previews

White Background



This preview shows how the XYZ color 16.8291, 17.3645, 44.5842 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 16.8291, 17.3645, 44.5842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

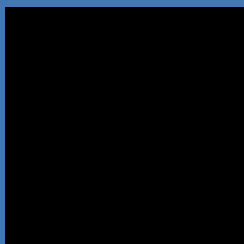
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8291, 17.3645, 44.5842

Background



This preview shows how black text looks on a background with the XYZ color 16.8291, 17.3645, 44.5842.



This preview shows how white text looks on a background with the XYZ color 16.8291, 17.3645,

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

16.8291, 17.3645, 44.5842

Protanopia

18.1612, 17.2459, 42.4160

Deuteranopia

17.7471, 17.3100, 45.0536



Tritanopia

13.1029, 17.3087, 26.3172

Trichromacy



Original Color

16.8291, 17.3645, 44.5842

Protanomaly

17.5248, 17.2414, 42.9617

Deuteranomaly

17.4426, 17.3232, 45.0722

Tritanomaly

14.2718, 17.2172, 32.2768

Monochromacy



Original Color

16.8291, 17.3645, 44.5842

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.8944, 15.9392, 25.2132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8291, 17.3645, 44.5842 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(67, 118, 178)` looks like.

```
.text, #text, p{  
    color:rgb(67, 118, 178)  
}
```

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(67, 118, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 118, 178) }
```

Border

The CSS property to change the border of an element to XYZ 16.8291, 17.3645, 44.5842 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(67, 118, 178) }
```


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

```
.border{ border-color:rgb(67, 118, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 118, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 118, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 118, 178);  
box-shadow:4px 4px 4px 4px rgb(67, 118,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8291, 17.3645, 44.5842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 118, 178) }
```

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

```
.background{ background-color: rgb(67, 118,  
178) }
```

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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