

Converting Colors

XYZ(16.8185, 17.8154, 3.4888)

Have a look what the booklet for
XYZ(16.8185, 17.8154, 3.4888)
contains.

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Color

**XYZ(16.7874, 17.7349,
3.4581)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7319
RGB	138, 115, 25
RGB Percent	54%, 45%, 10%
CMY	0.4588, 0.5490, 0.9019
CMYK	0.00, 0.17, 0.82, 0.46
HSL	48°, 69%, 32%
HSV	48°, 82%, 54%
XYZ	16.7874, 17.7349, 3.4581
YIQ	111.6170, 42.5980, -23.1140

Conversions

Conversions Part 2

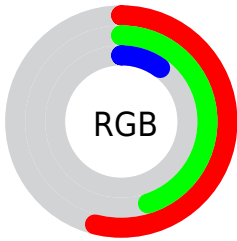
Format	Color
R_{YB}	54, 138, 25
Decimal	9073433
CIE Lab	49.17, -0.38, 49.03
CIE LCh	49, 49.032, 90.449
Yxy	17.7349, 0.4420, 0.4669
Android (android.graphics.Color)	4287263513 (0xFF8A7319)
YUV	111.6170, -42.7022, 23.1379
Hunter-Lab	42.1128, -2.5421, 24.6104

Details

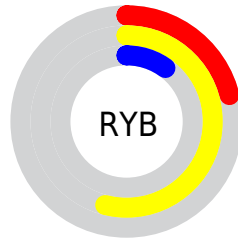
The XYZ color **16.7874, 17.7349, 3.4581** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **6.0453, 4.1555, 24.5280**, and the grayscale version is **15.4016, 16.2037, 17.6458**.

A 20% lighter version of the original color is **37.6639, 39.7754, 12.7135**, and **5.6633, 5.8991, 0.8402** is the 20% darker color. If you saturate the color by 10%, you get **16.3585, 17.0594, 2.7534**, and if you desaturate by 10%, it is **17.3004, 18.4611, 4.5540**.

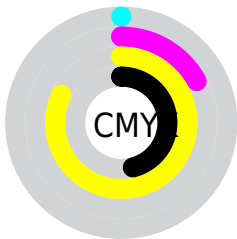
Distribution



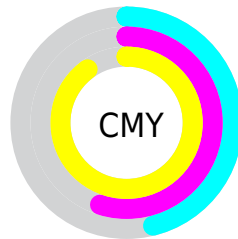
- Red (54%)
- Green (45%)
- Blue (10%)



- Red (21%)
- Yellow (54%)
- Blue (10%)



- Cyan (0%)
- Magenta (17%)
- Yellow (82%)
- Black (46%)



- Cyan (46%)
- Magenta (55%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7874, 17.7349, 3.4581 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 16.7874, 17.7349, 3.4581 by changing the saturation by 10% instead.

■ 16.7874, 17.7349,
3.4581

■ 16.7874, 17.7349,
3.4581

227.1244,
239.3725, 141.9970

■ 10.1774, 10.7598,
1.3330

■ 37.5064, 39.5851,
12.7393

■ 5.5799, 5.9056,
0.0886

■ 52.3461, 55.2290,
20.7326

■ 2.6296, 2.7877,
0.0000

■ 70.6597, 74.5313,
31.5190

■ 0.9610, 1.0220,
0.0000

■ 92.8127, 97.8764,
45.5170

■ 0.0000, 0.0000,
0.0000

■ 119.1702,
125.6486, 63.1453

■ 150.0978,

158.2325, 84.8224

185.9608,
196.0123, 110.9668

16.7874, 17.7349,
3.4581

16.7874, 17.7349,
3.4581

16.3585, 17.0594,
2.7534

17.3004, 18.4611,
4.5540

16.0479, 16.5368,
2.3461

17.9060, 19.2393,
6.0904

18.6127, 20.0739,
8.1105

19.4279, 20.9679,
10.6522

20.3580, 21.9240,
13.7493

■ 21.4090, 22.9448,
17.4330

■ 22.5864, 24.0325,
21.7321

■ 23.8955, 25.1894,
26.6734

■ 25.3412, 26.4176,
32.2824

Harmonies

Analogous

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



21.5952, 17.7349, 4.6113



16.7874, 17.7349, 3.4581



12.7675, 17.7349, 4.6879

Triad

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



16.7874, 17.7349, 3.4581



10.3349, 17.7349, 35.1623



25.7597, 17.7349, 34.6530

Complementary

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



16.7874, 17.7349, 3.4581



6.0453, 4.1555, 24.5280

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.



21.7368, 17.7349, 50.3277



16.7874, 17.7349, 3.4581



12.8673, 17.7349, 50.7039

Square

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



16.7874, 17.7349, 3.4581



9.4811, 17.7349, 19.5091



16.9258, 17.7349, 57.2218



27.3128, 17.7349, 19.1128

Rectangle

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



16.7874, 17.7349, 3.4581



10.9256, 17.7349, 7.2721



16.9258, 17.7349, 57.2218



24.6193, 17.7349, 40.2933

Sweetspot

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



16.7878, 17.7358, 3.4585



37.0353, 39.7739, 28.2337



11.3935, 6.3245, 3.5801



8.1814, 8.7991, 5.8933



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7878, 17.7358, 3.4585



28.3021, 29.1470, 4.2368



15.2058, 21.3102, 4.2318



5.3461, 5.6750, 5.3660



14.7242, 15.1829, 2.1545



0.1079, 0.1211, 0.0177

Inverse Universe

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



6.0453, 4.1555, 24.5280



8.8620, 4.7197, 42.8271



6.6236, 3.4008, 24.3518



4.8518, 5.0465, 6.3242



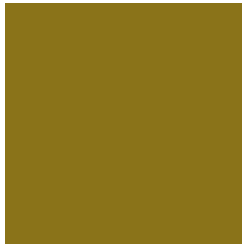
4.5976, 2.4656, 22.2793



0.0392, 0.0337, 0.1509

Previews

White Background



This preview shows how the XYZ color 16.7874, 17.7349, 3.4581 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 16.7874, 17.7349, 3.4581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

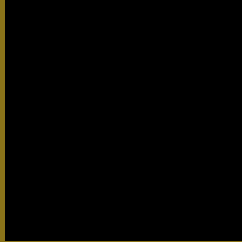
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7874, 17.7349, 3.4581

Background



This preview shows how black text looks on a background with the XYZ color 16.7874, 17.7349, 3.4581.



This preview shows how white text looks on a background with the XYZ color 16.7874, 17.7349,

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

16.7874, 17.7349, 3.4581

Protanopia

16.0635, 17.7027, 3.5476

Deuteranopia

17.9149, 17.6511, 3.4997



Tritanopia

19.8538, 17.6825, 18.5863

Trichromacy



Original Color

16.7874, 17.7349, 3.4581

Protanomaly

16.2634, 17.6337, 3.5238

Deuteranomaly

17.4822, 17.5922, 3.4515

Tritanomaly

18.2542, 17.5118, 10.4007

Monochromacy



Original Color

16.7874, 17.7349, 3.4581

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.2383, 16.4544, 9.9623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7874, 17.7349, 3.4581 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(138, 115, 25)` looks like.

```
.text, #text, p{  
    color:rgb(138, 115, 25)  
}
```

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(138, 115, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 115, 25) }
```

Border

The CSS property to change the border of an element to XYZ 16.7874, 17.7349, 3.4581 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(138, 115, 25) }
```


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

```
.border{ border-color:rgb(138, 115, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 115, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 115, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 115, 25);  
box-shadow:4px 4px 4px 4px rgb(138, 115,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7874, 17.7349, 3.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 115, 25) }
```

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

```
.background{ background-color: rgb(138,  
115, 25) }
```

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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