

Converting Colors

XYZ(17.9635, 17.6913, 2.8158)

Have a look what the booklet for
XYZ(17.9635, 17.6913, 2.8158)
contains.

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Color

**XYZ(17.9635, 17.6913,
2.8158)**

Conversions

Conversions Part 1

Format	Color
Hex	946F0C
RGB	148, 111, 12
RGB Percent	58%, 44%, 5%
CMY	0.4196, 0.5647, 0.9529
CMYK	0.00, 0.25, 0.92, 0.42
HSL	44°, 85%, 31%
HSV	44°, 92%, 58%
XYZ	17.9635, 17.6913, 2.8158
YIQ	110.7770, 53.8310, -22.9450

Conversions

Conversions Part 2

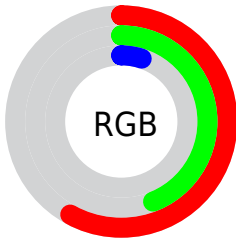
Format	Color
R _{YB}	63, 148, 12
Decimal	9727756
CIE Lab	49.12, 6.25, 53.13
CIE LCh	49, 53.497, 83.291
Yxy	17.6913, 0.4669, 0.4599
Android (android.graphics.Color)	4287917836 (0xFF946F0C)
YUV	110.7770, -48.6971, 32.6446
Hunter-Lab	42.0610, 2.6273, 25.4735

Details

The XYZ color **17.9635, 17.6913, 2.8158** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.5953, 4.4130, 28.5208**, and the grayscale version is **15.1710, 15.9611, 17.3817**.

A 20% lighter version of the original color is **39.4481, 39.3921, 11.1545**, and **6.3476, 5.9939, 0.8224** is the 20% darker color. If you saturate the color by 10%, you get **17.5476, 16.9658, 2.3499**, and if you desaturate by 10%, it is **18.5424, 18.6424, 3.6462**.

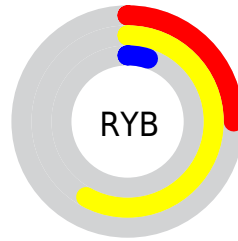
Distribution



Red (58%)

Green (44%)

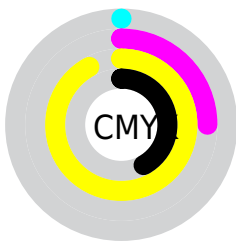
Blue (5%)



Red (25%)

Yellow (58%)

Blue (5%)

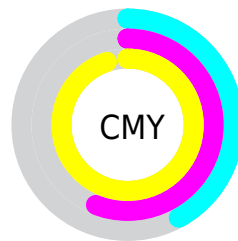


Cyan (0%)

Magenta (25%)

Yellow (92%)

Black (42%)



Cyan (42%)

Magenta (56%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9635, 17.6913, 2.8158 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 17.9635, 17.6913, 2.8158 by changing the saturation by 10% instead.

■ 17.9635, 17.6913,
2.8158

■ 17.9635, 17.6913,
2.8158

233.7148,
239.1253, 133.9789

■ 11.0233, 10.7286,
1.0014

■ 39.5057, 39.5106,
11.1704

■ 6.1499, 5.8846,
0.0000

■ 54.8384, 55.1360,
18.5477

■ 2.9780, 2.7751,
0.0000

■ 73.6993, 74.4177,
28.6163

■ 1.1421, 1.0155,
0.0000

■ 96.4539, 97.7402,
41.7949

■ 0.0599, 0.0000,
0.0000

■ 123.4673,
125.4877, 58.5019

■ 0.0000, 0.0000,
0.0000

■ 155.1050,

158.0449, 79.1558

191.7324,
195.7959, 104.1753

17.9635, 17.6913,
2.8158

17.9635, 17.6913,
2.8158

17.5476, 16.9658,
2.3499

18.5424, 18.6424,
3.6462

19.2270, 19.6673,
4.9364

20.0296, 20.7717,
6.7473

20.9599, 21.9602,
9.1299

22.0269, 23.2366,
12.1294

■ 23.2385, 24.6045,
15.7863

■ 24.6018, 26.0670,
20.1376

■ 26.1236, 27.6274,
25.2177

■ 27.8102, 29.2884,
31.0585

Harmonies

Analogous

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



23.2418, 17.6913, 4.5468



17.9635, 17.6913, 2.8158



13.2928, 17.6913, 3.4255

Triad

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



17.9635, 17.6913, 2.8158



9.4398, 17.6913, 32.3303



25.7605, 17.6913, 40.8552

Complementary

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



17.9635, 17.6913, 2.8158



6.5953, 4.4130, 28.5208

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.



20.9103, 17.6913, 57.2381



17.9635, 17.6913, 2.8158



11.6978, 17.6913, 50.8433

Square

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



17.9635, 17.6913, 2.8158



8.9598, 17.6913, 16.2217



15.7166, 17.6913, 61.5921



28.2853, 17.6913, 22.6621

Rectangle

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



17.9635, 17.6913, 2.8158



11.0464, 17.6913, 5.3680



15.7166, 17.6913, 61.5921



24.3069, 17.6913, 47.0601

Sweetspot

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



17.9639, 17.6922, 2.8161



41.7740, 44.2541, 30.2712



12.9315, 6.7939, 3.7085



9.3278, 9.8747, 6.2580



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.9639, 17.6922, 2.8161



30.8138, 29.6388, 4.0968



18.2001, 25.0952, 4.2326



6.1334, 6.4805, 6.1681



15.0120, 14.5383, 2.0150



0.2083, 0.2270, 0.0328

Inverse Universe

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



6.5953, 4.4130, 28.5208



10.6607, 6.2310, 50.0754



6.4101, 2.8823, 28.2352



5.6203, 5.8745, 7.3074



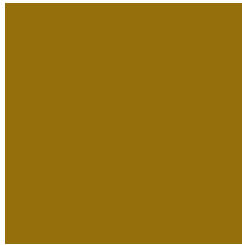
5.2417, 3.1782, 24.2682



0.0860, 0.0826, 0.3043

Previews

White Background



This preview shows how the XYZ color 17.9635, 17.6913, 2.8158 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 17.9635, 17.6913, 2.8158 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 17.9635, 17.6913, 2.8158

Background



This preview shows how black text looks on a background with the XYZ color 17.9635, 17.6913, 2.8158.



This preview shows how white text looks on a background with the XYZ color 17.9635, 17.6913,

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

17.9635, 17.6913, 2.8158

Protanopia

15.9563, 17.6598, 2.9832

Deuteranopia

17.9635, 17.6913, 2.8158



Tritanopia

20.8564, 17.6205, 17.3408

Trichromacy



Original Color

17.9635, 17.6913, 2.8158

Protanomaly

16.6846, 17.6938, 2.9166

Deuteranomaly

17.9635, 17.6913, 2.8158

Tritanomaly

19.1865, 17.3954, 9.0030

Monochromacy



Original Color

17.9635, 17.6913, 2.8158

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2666, 16.1620, 8.9715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9635, 17.6913, 2.8158 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(148, 111, 12)` looks like.

```
.text, #text, p{  
    color:rgb(148, 111, 12)  
}
```

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(148, 111, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 111, 12) }
```

Border

The CSS property to change the border of an element to XYZ 17.9635, 17.6913, 2.8158 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(148, 111, 12) }
```


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

```
.border{ border-color:rgb(148, 111, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 111, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 111, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 111, 12);  
box-shadow:4px 4px 4px 4px rgb(148, 111,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9635, 17.6913, 2.8158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 111, 12) }
```

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

```
.background{ background-color: rgb(148,  
111, 12) }
```

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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