

Converting Colors

XYZ(18.0632, 17.6509, 2.8652)

Have a look what the booklet for
XYZ(18.0632, 17.6509, 2.8652)
contains.

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Color

**XYZ(18.0496, 17.5731,
2.8561)**

Conversions

Conversions Part 1

Format	Color
Hex	956E0E
RGB	149, 110, 14
RGB Percent	58%, 43%, 5%
CMY	0.4157, 0.5686, 0.9451
CMYK	0.00, 0.26, 0.91, 0.42
HSL	43°, 83%, 32%
HSV	43°, 91%, 58%
XYZ	18.0496, 17.5731, 2.8561
YIQ	110.7170, 54.0600, -21.5880

Conversions

Conversions Part 2

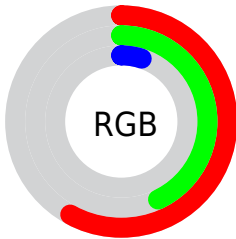
Format	Color
R_{YB}	69, 149, 14
Decimal	9793038
CIE Lab	48.97, 7.33, 52.60
CIE LCh	49, 53.108, 82.062
Yxy	17.5731, 0.4691, 0.4567
Android (android.graphics.Color)	4287983118 (0xFF956E0E)
YUV	110.7170, -47.6815, 33.5742
Hunter-Lab	41.9203, 3.4962, 25.3047

Details

The XYZ color **18.0496, 17.5731, 2.8561** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.8791, 4.8096, 28.9993**, and the grayscale version is **15.1507, 15.9397, 17.3583**.

A 20% lighter version of the original color is **39.5825, 39.1973, 11.2740**, and **6.3936, 5.9347, 0.8085** is the 20% darker color. If you saturate the color by 10%, you get **17.5441, 16.6890, 2.2966**, and if you desaturate by 10%, it is **18.6671, 18.5820, 3.7591**.

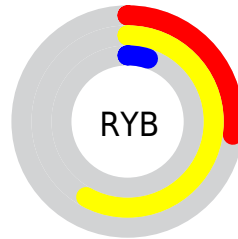
Distribution



Red (58%)

Green (43%)

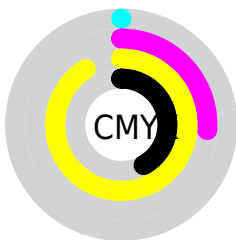
Blue (5%)



Red (27%)

Yellow (58%)

Blue (5%)

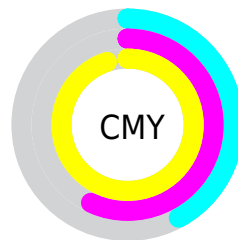


Cyan (0%)

Magenta (26%)

Yellow (91%)

Black (42%)



Cyan (42%)

Magenta (57%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0496, 17.5731, 2.8561 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 18.0496, 17.5731, 2.8561 by changing the saturation by 10% instead.

■ 18.0496, 17.5731,
2.8561

■ 18.0496, 17.5731,
2.8561

234.1906,
238.4537, 134.5062

■ 11.0855, 10.6439,
1.0216

■ 39.6512, 39.3085,
11.2712

■ 6.1921, 5.8279,
0.0000

■ 55.0195, 54.8836,
18.6890

■ 3.0040, 2.7407,
0.0000

■ 73.9199, 74.1094,
28.8049

■ 1.1559, 0.9979,
0.0000

■ 96.7177, 97.3704,
42.0376

■ 0.0711, 0.0000,
0.0000

■ 123.7783,
125.0509, 58.8055

■ 0.0000, 0.0000,
0.0000

■ 155.4671,

157.5354, 79.5272

192.1494,
195.2082, 104.6213

18.0496, 17.5731,
2.8561

18.0496, 17.5731,
2.8561

17.5441, 16.6890,
2.2966

18.6671, 18.5820,
3.7591

19.3961, 19.6715,
5.1384

20.2487, 20.8474,
7.0544

21.2350, 22.1144,
9.5583

22.3637, 23.4764,
12.6953

■ 23.6429, 24.9370,
16.5060

■ 25.0800, 26.4998,
21.0278

■ 26.6817, 28.1678,
26.2953

■ 28.4544, 29.9440,
32.3406

Harmonies

Analogous

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



23.2522, 17.5731, 4.6962



18.0496, 17.5731, 2.8561



13.3818, 17.5731, 3.3717

Triad

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



18.0496, 17.5731, 2.8561



9.3534, 17.5731, 31.2840



25.3735, 17.5731, 41.2153

Complementary

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



18.0496, 17.5731, 2.8561



6.8791, 4.8096, 28.9993

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.



20.5321, 17.5731, 57.0587



18.0496, 17.5731, 2.8561



11.5154, 17.5731, 49.6215

Square

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



18.0496, 17.5731, 2.8561



8.9485, 17.5731, 15.6167



15.4245, 17.5731, 60.7226



27.9919, 17.5731, 23.1437

Rectangle

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



18.0496, 17.5731, 2.8561



11.1114, 17.5731, 5.2072



15.4245, 17.5731, 60.7226



23.9115, 17.5731, 47.2830

Sweetspot

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



18.0500, 17.5740, 2.8564



43.0969, 45.4941, 31.8944



13.2292, 6.9748, 4.2014



9.3843, 9.8980, 6.5535



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.



18.0500, 17.5740, 2.8564



31.2592, 29.5676, 4.0596



18.8528, 25.6640, 4.3757



6.1254, 6.4645, 6.1654



14.7921, 14.0987, 1.9417



0.2064, 0.2233, 0.0322

Inverse Universe

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



6.8791, 4.8096, 28.9993



11.1285, 6.7127, 51.6304



6.4965, 2.9556, 28.6616



5.6279, 5.8897, 7.3099



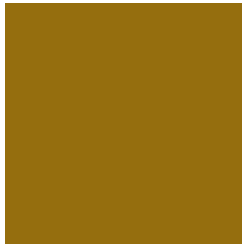
5.3170, 3.3289, 24.2933



0.0879, 0.0863, 0.3049

Previews

White Background



This preview shows how the XYZ color 18.0496, 17.5731, 2.8561 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 18.0496, 17.5731, 2.8561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

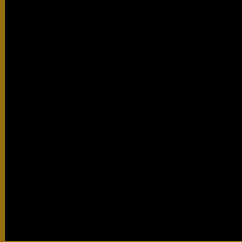
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0496, 17.5731, 2.8561

Background



This preview shows how black text looks on a background with the XYZ color 18.0496, 17.5731, 2.8561.



This preview shows how white text looks on a background with the XYZ color 18.0496, 17.5731,

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

18.0496, 17.5731, 2.8561

Protanopia

15.9705, 17.6655, 3.0583

Deuteranopia

17.9698, 17.6938, 2.8489



Tritanopia

20.8923, 17.4986, 17.0283

Trichromacy



Original Color

18.0496, 17.5731, 2.8561

Protanomaly

16.5848, 17.4724, 2.9503

Deuteranomaly

17.9698, 17.6938, 2.8489

Tritanomaly

19.2705, 17.2866, 8.9776

Monochromacy



Original Color

18.0496, 17.5731, 2.8561

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4464, 16.2507, 9.1601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0496, 17.5731, 2.8561 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(149, 110, 14)` looks like.

```
.text, #text, p{  
    color:rgb(149, 110, 14)  
}
```

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(149, 110, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 110, 14) }
```

Border

The CSS property to change the border of an element to XYZ 18.0496, 17.5731, 2.8561 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(149, 110, 14) }
```


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

```
.border{ border-color:rgb(149, 110, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 110, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 110, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 110, 14);  
box-shadow:4px 4px 4px 4px rgb(149, 110,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0496, 17.5731, 2.8561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 110, 14) }
```

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

```
.background{ background-color: rgb(149,  
110, 14) }
```

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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