

Converting Colors

XYZ(18.8517, 17.3506, 2.3554)

Have a look what the booklet for
XYZ(18.8517, 17.3506, 2.3554)
contains.

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Color

**XYZ(18.8643, 17.3760,
2.3596)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6A00
RGB	156, 106, 0
RGB Percent	61%, 42%, 0%
CMY	0.3882, 0.5843, 1.0000
CMYK	0.00, 0.32, 1.00, 0.39
HSL	41°, 100%, 31%
HSV	41°, 100%, 61%
XYZ	18.8643, 17.3760, 2.3596
YIQ	108.8660, 63.8260, -22.3660

Conversions

Conversions Part 2

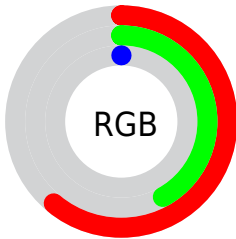
Format	Color
R_{YB}	74, 156, 0
Decimal	10250752
CIE _{Lab}	48.73, 12.65, 55.84
CIE _{LCh}	49, 57.258, 77.241
Yxy	17.3760, 0.4887, 0.4502
Android (android.graphics.Color)	4288440832 (0xFF9C6A00)
YUV	108.8660, -53.6709, 41.3365
Hunter-Lab	41.6845, 7.8321, 25.8230

Details

The XYZ color **18.8643, 17.3760, 2.3596** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.1413, 4.6814, 31.9793**, and the grayscale version is **14.6331, 15.3951, 16.7653**.

A 20% lighter version of the original color is **40.9785, 38.9199, 10.0551**, and **6.7096, 5.7806, 0.7621** is the 20% darker color. If you saturate the color by 10%, you get **18.8645, 17.3766, 2.3597**, and if you desaturate by 10%, it is **19.4856, 18.4739, 3.0137**.

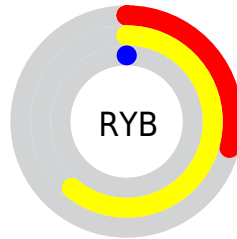
Distribution



Red (61%)

Green (42%)

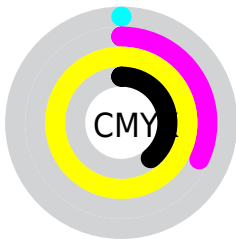
Blue (0%)



Red (29%)

Yellow (61%)

Blue (0%)

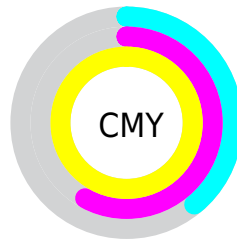


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8643, 17.3760, 2.3596 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 18.8643, 17.3760, 2.3596 by changing the saturation by 10% instead.

■ 18.8643, 17.3760,
2.3596

■ 18.8643, 17.3760,
2.3596

238.6511,
237.3299, 127.7321

■ 11.6757, 10.5029,
0.7643

■ 41.0233, 38.9711,
10.0025

■ 6.5939, 5.7337,
0.0000

■ 56.7244, 54.4620,
16.9006

■ 3.2535, 2.6838,
0.0000

■ 75.9938, 73.5942,
26.4080

■ 1.2892, 0.9690,
0.0000

■ 99.1967, 96.7522,
38.9432

■ 0.1751, 0.0000,
0.0000

■ 126.6985,
124.3204, 54.9246

■ 0.0000, 0.0000,
0.0000

■ 158.8646,

156.6832, 74.7709

196.0604,
194.2249, 98.9005

18.8643, 17.3760,
2.3596

18.8643, 17.3760,
2.3596

18.8645, 17.3766,
2.3597

19.4856, 18.4739,
3.0137

20.2060, 19.6595,
4.0402

21.0571, 20.9471,
5.6020

22.0520, 22.3426,
7.7661

23.2021, 23.8513,
10.5894

■ 24.5173, 25.4778,
14.1223

■ 26.0066, 27.2267,
18.4102

■ 27.6784, 29.1017,
23.4948

■ 29.5404, 31.1068,
29.4146

Harmonies

Analogous

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



24.4249, 17.3760, 4.5818



18.8643, 17.3760, 2.3596



13.6814, 17.3760, 2.5098

Triad

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



18.8643, 17.3760, 2.3596



8.5834, 17.3760, 28.9291



25.1620, 17.3760, 46.3752

Complementary

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



18.8643, 17.3760, 2.3596



7.1413, 4.6814, 31.9793

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.



19.7160, 17.3760, 62.5840



18.8643, 17.3760, 2.3596



10.5294, 17.3760, 49.3643

Square

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



18.8643, 17.3760, 2.3596



8.4511, 17.3760, 13.1894



14.3700, 17.3760, 63.9014



28.5493, 17.3760, 26.1070

Rectangle

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



18.8643, 17.3760, 2.3596



11.0947, 17.3760, 3.9167



14.3700, 17.3760, 63.9014



23.4643, 17.3760, 52.8593

Sweetspot

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



18.8647, 17.3769, 2.3599



47.0654, 49.2561, 32.9340



14.3301, 7.3159, 3.9060



10.1175, 10.5612, 6.5489



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.8647, 17.3769, 2.3599



34.0796, 31.1929, 4.2246



21.0943, 28.5225, 4.3937



6.9908, 7.3616, 7.0381



15.5710, 14.3775, 1.9545



0.3148, 0.3298, 0.0471

Inverse Universe

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



7.1413, 4.6814, 31.9793



12.8112, 8.1840, 58.0312



6.4268, 2.6200, 31.6191



6.4497, 6.7651, 8.3725



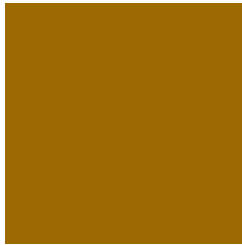
5.9107, 3.9128, 26.3510



0.1416, 0.1418, 0.4831

Previews

White Background



This preview shows how the XYZ color 18.8643, 17.3760, 2.3596 looks on a white background.

Color Contrast Check

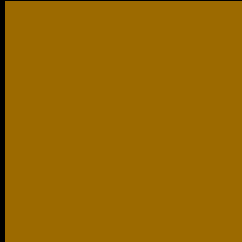
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8643, 17.3760, 2.3596 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 18.8643, 17.3760, 2.3596

Background



This preview shows how black text looks on a background with the XYZ color 18.8643, 17.3760, 2.3596.



This preview shows how white text looks on a background with the XYZ color 18.8643, 17.3760,

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

18.8643, 17.3760, 2.3596

Protanopia

15.7761, 17.5698, 2.8470

Deuteranopia

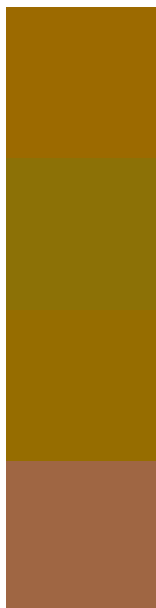
17.6086, 17.3549, 2.4218



Tritanopia

21.7613, 17.5414, 15.8745

Trichromacy



Original Color

18.8643, 17.3760, 2.3596

Protanomaly

16.7532, 17.3989, 2.6476

Deuteranomaly

18.0463, 17.4213, 2.4115

Tritanomaly

20.0626, 17.2789, 7.5879

Monochromacy



Original Color

18.8643, 17.3760, 2.3596

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.0409, 15.5904, 7.8467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8643, 17.3760, 2.3596 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(156, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 106, 0)  
}
```

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(156, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 106, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.8643, 17.3760, 2.3596 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(156, 106, 0) }
```


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

```
.border{ border-color:rgb(156, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 106,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8643, 17.3760, 2.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 106, 0) }
```

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

```
.background{ background-color: rgb(156,  
106, 0) }
```

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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