

Converting Colors

XYZ(18.0643, 17.9712, 2.6087)

Have a look what the booklet for
XYZ(18.0643, 17.9712, 2.6087)
contains.

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Color

**XYZ(18.0233, 17.8908,
2.5895)**

Conversions

Conversions Part 1

Format	Color
Hex	947003
RGB	148, 112, 3
RGB Percent	58%, 44%, 1%
CMY	0.4196, 0.5608, 0.9882
CMYK	0.00, 0.24, 0.98, 0.42
HSL	45°, 96%, 30%
HSV	45°, 98%, 58%
XYZ	18.0233, 17.8908, 2.5895
YIQ	110.3380, 56.4450, -26.2670

Conversions

Conversions Part 2

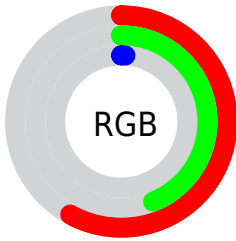
Format	Color
R _Y B	51, 148, 3
Decimal	9728003
CIE Lab	49.36, 5.52, 55.18
CIE LCh	49, 55.455, 84.291
Yxy	17.8908, 0.4681, 0.4647
Android (android.graphics.Color)	4287918083 (0xFF947003)
YUV	110.3380, -52.9176, 33.0296
Hunter-Lab	42.2975, 2.0396, 25.9785

Details

The XYZ color **18.0233, 17.8908, 2.5895** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.1085, 3.6087, 28.3912**, and the grayscale version is **15.0551, 15.8391, 17.2488**.

A 20% lighter version of the original color is **39.5049, 39.6979, 10.5813**, and **6.4045, 6.1077, 0.8414** is the 20% darker color. If you saturate the color by 10%, you get **17.9252, 17.7210, 2.4757**, and if you desaturate by 10%, it is **18.5286, 18.7556, 3.2077**.

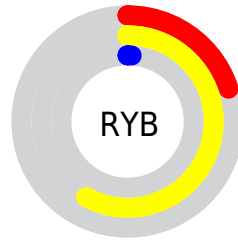
Distribution



Red (58%)

Green (44%)

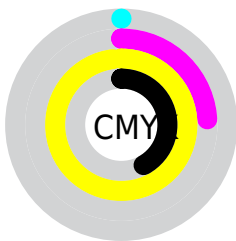
Blue (1%)



Red (20%)

Yellow (58%)

Blue (1%)

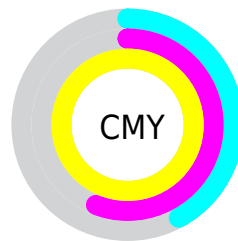


Cyan (0%)

Magenta (24%)

Yellow (98%)

Black (42%)



Cyan (42%)

Magenta (56%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0233, 17.8908, 2.5895 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 18.0233, 17.8908, 2.5895 by changing the saturation by 10% instead.

■ 18.0233, 17.8908,
2.5895

■ 18.0233, 17.8908,
2.5895

234.0454,
240.2548, 130.9472

■ 11.0665, 10.8716,
0.8870

■ 39.6068, 39.8512,
10.5975

■ 6.1792, 5.9806,
0.0000

■ 54.9642, 55.5611,
17.7421

■ 2.9960, 2.8333,
0.0000

■ 73.8525, 74.9368,
27.5386

■ 1.1517, 1.0453,
0.0000

■ 96.6371, 98.3626,
40.4054


■ 0.0677, 0.0000,
0.0000


■ 123.6834,
126.2229, 56.7612


■ 0.0000, 0.0000,
0.0000


■ 155.3566,


158.9021, 77.0243


 192.0221,
196.7846, 101.6135


 18.0233, 17.8908,
2.5895


 18.0233, 17.8908,
2.5895


 17.9252, 17.7210,
2.4757

 18.5286, 18.7556,
3.2077

 19.1205, 19.6812,
4.2012

 19.8202, 20.6769,
5.6790

 20.6386, 21.7475,
7.6972

 21.5850, 22.8969,
10.3043

■ 22.6678, 24.1289,
13.5436

■ 23.8946, 25.4467,
17.4540

■ 25.2723, 26.8534,
22.0714

■ 26.8075, 28.3519,
27.4291

Harmonies

Analogous

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



23.5646, 17.8908, 4.2169



18.0233, 17.8908, 2.5895



13.1995, 17.8908, 3.2672

Triad

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



18.0233, 17.8908, 2.5895



9.3962, 17.8908, 33.8660



26.5306, 17.8908, 41.5475

Complementary

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



18.0233, 17.8908, 2.5895



6.1085, 3.6087, 28.3912

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.



21.4788, 17.8908, 59.2056



18.0233, 17.8908, 2.5895



11.7914, 17.8908, 53.4034

Square

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



18.0233, 17.8908, 2.5895



8.8424, 17.8908, 16.7569



16.0252, 17.8908, 64.3925



29.0807, 17.8908, 22.4833

Rectangle

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



18.0233, 17.8908, 2.5895



10.9125, 17.8908, 5.2947



16.0252, 17.8908, 64.3925



25.0243, 17.8908, 48.1668

Sweetspot

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



18.0237, 17.8917, 2.5898



41.7950, 44.5151, 29.6029



12.6157, 6.5093, 2.5332



9.3452, 9.9532, 6.1290



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.



18.0237, 17.8917, 2.5898



31.4875, 30.9861, 4.3214



17.2567, 24.6146, 3.9279



6.1448, 6.5033, 6.1719



15.3333, 15.1811, 2.1221



0.2109, 0.2323, 0.0337

Inverse Universe

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



6.1085, 3.6087, 28.3912



10.4673, 5.8441, 50.0109



6.2243, 2.6397, 28.1981



5.6095, 5.8530, 7.3038



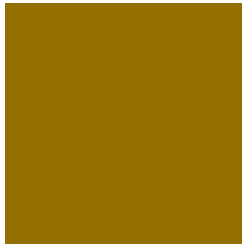
5.1431, 2.9809, 24.2353



0.0834, 0.0773, 0.3034

Previews

White Background



This preview shows how the XYZ color 18.0233, 17.8908, 2.5895 looks on a white background.

Color Contrast Check

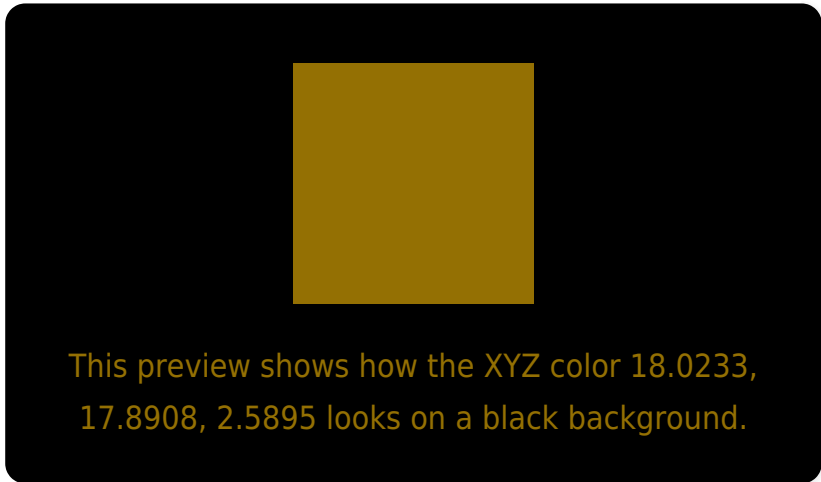
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 18.0233, 17.8908, 2.5895

Background



This preview shows how black text looks on a background with the XYZ color 18.0233, 17.8908, 2.5895.



This preview shows how white text looks on a background with the XYZ color 18.0233, 17.8908,

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

18.0233, 17.8908, 2.5895

Protanopia

16.1951, 17.9609, 2.8430

Deuteranopia

18.2160, 17.9889, 2.6557



Tritanopia

21.0118, 17.8428, 17.6658

Trichromacy



Original Color

18.0233, 17.8908, 2.5895

Protanomaly

16.7595, 17.9072, 2.7454

Deuteranomaly

18.2105, 17.9867, 2.6268

Tritanomaly

19.1899, 17.5626, 8.5094

Monochromacy



Original Color

18.0233, 17.8908, 2.5895

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.1340, 16.1089, 8.2729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0233, 17.8908, 2.5895 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, 112, 3)` looks like.

```
.text, #text, p{  
    color:rgb(148, 112, 3)  
}
```

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, 112, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 112, 3) }
```

Border

The CSS property to change the border of an element to XYZ 18.0233, 17.8908, 2.5895 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, 112, 3) }
```


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

```
.border{ border-color:rgb(148, 112, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 112, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 112, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 112, 3);  
box-shadow:4px 4px 4px 4px rgb(148, 112,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0233, 17.8908, 2.5895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 112, 3) }
```

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

```
.background{ background-color: rgb(148,  
112, 3) }
```

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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