

Converting Colors

XYZ(17.9358, 18.8753, 2.6980)

Have a look what the booklet for
XYZ(17.9358, 18.8753, 2.6980)
contains.

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Color

**XYZ(17.9800, 18.8862,
2.6977)**

Conversions

Conversions Part 1

Format	Color
Hex	907600
RGB	144, 118, 0
RGB Percent	56%, 46%, 0%
CMY	0.4353, 0.5372, 1.0000
CMYK	0.00, 0.18, 1.00, 0.44
HSL	49°, 100%, 28%
HSV	49°, 100%, 56%
XYZ	17.9800, 18.8862, 2.6977
YIQ	112.3220, 53.3740, -31.1860

Conversions

Conversions Part 2

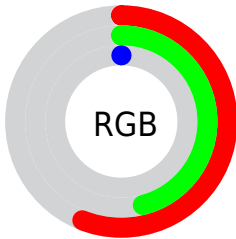
Format	Color
R_{YB}	32, 144, 0
Decimal	9467392
CIE _{Lab}	50.55, 0.16, 56.44
CIE _{LCh}	51, 56.443, 89.842
Yxy	18.8862, 0.4545, 0.4774
Android (android.graphics.Color)	4287657472 (0xFF907600)
YUV	112.3220, -55.3747, 27.7816
Hunter-Lab	43.4583, -2.2011, 26.7403

Details

The XYZ color **17.9800, 18.8862, 2.6977** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.4034, 2.7524, 26.6317**, and the grayscale version is **15.6434, 16.4580, 17.9228**.

A 20% lighter version of the original color is **39.6860, 41.6877, 10.9559**, and **6.3100, 6.5042, 0.9229** is the 20% darker color. If you saturate the color by 10%, you get **17.9803, 18.8869, 2.6979**, and if you desaturate by 10%, it is **18.3728, 19.5407, 3.2334**.

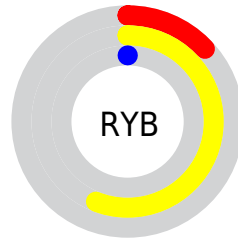
Distribution



Red (56%)

Green (46%)

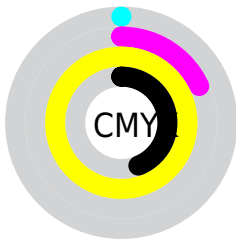
Blue (0%)



Red (13%)

Yellow (56%)

Blue (0%)

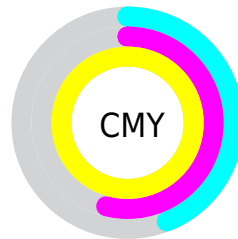


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9800, 18.8862, 2.6977 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 17.9800, 18.8862, 2.6977 by changing the saturation by 10% instead.

■ 17.9800, 18.8862,
2.6977

■ 17.9800, 18.8862,
2.6977

233.8061,
245.8198, 132.4121

■ 11.0352, 11.5881,
0.9423

■ 39.5336, 41.5417,
10.8729

■ 6.1580, 6.4639,
0.0000

■ 54.8731, 57.6679,
18.1299

■ 2.9830, 3.1291,
0.0000

■ 73.7416, 77.5056,
28.0580

■ 1.1448, 1.1995,
0.0000

■ 96.5044, 101.4391,
41.0755

■ 0.0621, 0.0613,
0.0000

■ 123.5269,
129.8529, 57.6012

■ 0.0000, 0.0000,
0.0000

■ 155.1745,

163.1313, 78.0535

■ 191.8124,
201.6588, 102.8509

■ 17.9800, 18.8862,
2.6977

■ 17.9800, 18.8862,
2.6977

■ 17.9803, 18.8869,
2.6979

■ 18.3728, 19.5407,
3.2334

■ 18.8290, 20.2334,
4.0629

■ 19.3770, 20.9765,
5.3329

■ 20.0270, 21.7743,
7.0979

■ 20.7879, 22.6304,
9.4042

■ 21.6677, 23.5480,
12.2931

■ 22.6734, 24.5301,
15.8016

■ 23.8116, 25.5794,
19.9639

■ 25.0883, 26.6984,
24.8113

Harmonies

Analogous

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



23.8174, 18.8862, 3.9032



17.9800, 18.8862, 2.6977



13.1776, 18.8862, 3.8756

Triad

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



17.9800, 18.8862, 2.6977



10.2394, 18.8862, 39.6615



28.7592, 18.8862, 39.8865

Complementary

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



17.9800, 18.8862, 2.6977



5.4034, 2.7524, 26.6317

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.



23.7563, 18.8862, 59.7129



17.9800, 18.8862, 2.6977



13.1365, 18.8862, 59.5427

Square

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



17.9800, 18.8862, 2.6977



9.3031, 18.8862, 20.4803



17.9216, 18.8862, 68.2825



30.7679, 18.8862, 20.6477

Rectangle

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



17.9800, 18.8862, 2.6977



11.0095, 18.8862, 6.5457



17.9216, 18.8862, 68.2825



27.3275, 18.8862, 46.9976

Sweetspot

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



17.9804, 18.8871, 2.6981



39.8747, 43.1553, 27.4548



11.6925, 6.0057, 1.5441



8.9855, 9.7439, 5.7355



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.9804, 18.8871, 2.6981



31.6030, 33.0917, 4.7217



15.0536, 22.5653, 3.5623



5.7579, 6.1221, 5.7676



15.6732, 16.4781, 2.3545



0.1638, 0.1855, 0.0272

Inverse Universe

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



5.4034, 2.7524, 26.6317



9.4397, 4.6732, 46.9425



6.1430, 2.5854, 26.5605



5.2035, 5.4027, 6.7973



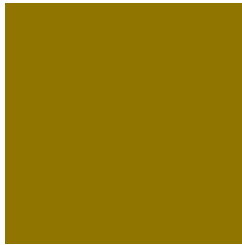
4.7187, 2.4233, 23.1961



0.0569, 0.0467, 0.2257

Previews

White Background



This preview shows how the XYZ color 17.9800, 18.8862, 2.6977 looks on a white 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

Black Background



This preview shows how the XYZ color 17.9800, 18.8862, 2.6977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

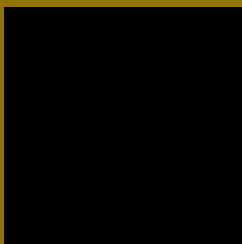
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9800, 18.8862, 2.6977

Background



This preview shows how black text looks on a background with the XYZ color 17.9800, 18.8862, 2.6977.

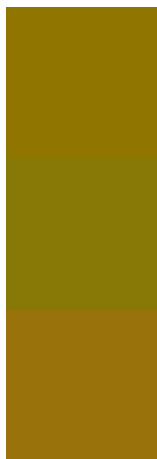


This preview shows how white text looks on a background with the XYZ color 17.9800, 18.8862,

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

17.9800, 18.8862, 2.6977

Protanopia

17.0236, 18.9221, 2.9274

Deuteranopia

19.2146, 18.8311, 2.9387



Tritanopia

21.4236, 18.9439, 19.6669

Trichromacy



Original Color

17.9800, 18.8862, 2.6977

Protanomaly

17.3858, 18.9307, 2.8525

Deuteranomaly

18.7468, 18.7608, 2.8342

Tritanomaly

19.3879, 18.6142, 9.2276

Monochromacy



Original Color

17.9800, 18.8862, 2.6977

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.4668, 16.7746, 8.3839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9800, 18.8862, 2.6977 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(144, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 118, 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(144, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.9800, 18.8862, 2.6977 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(144, 118, 0) }
```


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

```
.border{ border-color:rgb(144, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 118,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9800, 18.8862, 2.6977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 118, 0) }
```

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

```
.background{ background-color: rgb(144,  
118, 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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