

Converting Colors

XYZ(17.3208, 16.0195, 0.1709)

Have a look what the booklet for
XYZ(17.3208, 16.0195, 0.1709)
contains.

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Color

**XYZ(17.7003, 16.1781,
2.1898)**

Conversions

Conversions Part 1

Format	Color
Hex	986600
RGB	152, 102, 0
RGB Percent	60%, 40%, 0%
CMY	0.4039, 0.6000, 1.0000
CMYK	0.00, 0.33, 1.00, 0.40
HSL	40°, 100%, 30%
HSV	40°, 100%, 60%
XYZ	17.7003, 16.1781, 2.1898
YIQ	105.3220, 62.5420, -21.1220

Conversions

Conversions Part 2

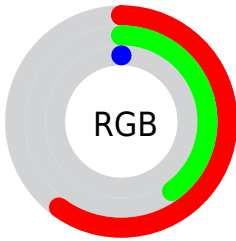
Format	Color
RYB	75, 152, 0
Decimal	9987584
CIELab	47.21, 13.08, 54.59
CIElCh	47, 56.135, 76.521
Yxy	16.1781, 0.4907, 0.4485
Android (android.graphics.Color)	4288177664 (0xFF986600)
YUV	105.3220, -51.9237, 40.9366
Hunter-Lab	40.2220, 8.1631, 24.9275

Details

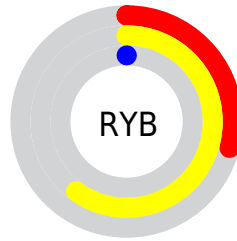
The XYZ color **17.7003, 16.1781, 2.1898** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.8083, 4.5484, 30.2248**, and the grayscale version is **13.6400, 14.3504, 15.6276**.

A 20% lighter version of the original color is **39.1247, 36.9791, 9.6330**, and **6.0855, 5.1653, 0.6763** is the 20% darker color. If you saturate the color by 10%, you get **17.7004, 16.1785, 2.1898**, and if you desaturate by 10%, it is **18.2947, 17.2266, 2.8205**.

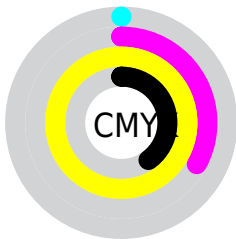
Distribution



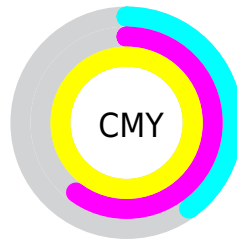
- Red (60%)
- Green (40%)
- Blue (0%)



- Red (29%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (33%)
- Yellow (100%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7003, 16.1781, 2.1898 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 17.7003, 16.1781, 2.1898 by changing the saturation by 10% instead.

■ 17.7003, 16.1781,
2.1898

■ 17.7003, 16.1781,
2.1898

232.2547,
230.3904, 125.2577

■ 10.8334, 9.6503,
0.6685

■ 39.0601, 36.9071,
9.5535

■ 6.0214, 5.1677,
0.0000

■ 54.2837, 51.8771,
16.2622

■ 2.8989, 2.3460,
0.0000

■ 73.0236, 70.4299,
25.5468

■ 1.1005, 0.7979,
0.0000

■ 95.6451, 92.9500,
37.8258


■ 0.0255, 0.0000,
0.0000


■ 122.5136,
119.8216, 53.5179


■ 0.0000, 0.0000,
0.0000


■ 153.9945,


151.4293, 73.0416


 190.4531,
188.1574, 96.8153


 17.7003, 16.1781,
2.1898


 17.7003, 16.1781,
2.1898


 17.7004, 16.1785,
2.1898

 18.2947, 17.2266,
2.8205

 18.9830, 18.3603,
3.7991

 19.7960, 19.5929,
5.2827

 20.7459, 20.9301,
7.3340

 21.8433, 22.3768,
10.0065

■ 23.0977, 23.9375,
13.3473

■ 24.5176, 25.6165,
17.3990

■ 26.1107, 27.4175,
22.2006

■ 27.8844, 29.3441,
27.7884

Harmonies

Analogous

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



22.8879, 16.1781, 4.3259



17.7003, 16.1781, 2.1898



12.8292, 16.1781, 2.2843

Triad

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



17.7003, 16.1781, 2.1898



7.9459, 16.1781, 26.5454



23.3563, 16.1781, 43.7686

Complementary

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



17.7003, 16.1781, 2.1898



6.8083, 4.5484, 30.2248

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.



18.2412, 16.1781, 58.7217



17.7003, 16.1781, 2.1898



9.7201, 16.1781, 45.6705

Square

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



17.7003, 16.1781, 2.1898



7.8621, 16.1781, 12.0017



13.2661, 16.1781, 59.5605



26.5955, 16.1781, 24.7522

Rectangle

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



17.7003, 16.1781, 2.1898



10.3855, 16.1781, 3.5455



13.2661, 16.1781, 59.5605



21.7553, 16.1781, 49.7961

Sweetspot

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



17.7007, 16.1789, 2.1901



43.1205, 45.0358, 30.2547



13.5392, 6.9116, 3.7145



9.5733, 9.9702, 6.2180



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



17.7007, 16.1789, 2.1901



31.0754, 28.2213, 3.8094



19.9312, 26.9430, 4.1502



6.5376, 6.8802, 6.5893



14.8705, 13.6234, 1.8458



0.2552, 0.2694, 0.0386

Inverse Universe

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



6.8083, 4.5484, 30.2248



11.8703, 7.7347, 53.3010



6.0769, 2.4781, 29.8637



6.0422, 6.3417, 7.8346



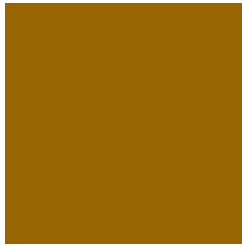
5.7343, 3.8652, 25.3515



0.1166, 0.1195, 0.3893

Previews

White Background



This preview shows how the XYZ color 17.7003, 16.1781, 2.1898 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 17.7003, 16.1781, 2.1898 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 17.7003, 16.1781, 2.1898

Background



This preview shows how black text looks on a background with the XYZ color 17.7003, 16.1781, 2.1898.



This preview shows how white text looks on a background with the XYZ color 17.7003, 16.1781,

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

17.7003, 16.1781, 2.1898

Protanopia

14.7123, 16.3442, 2.6665

Deuteranopia

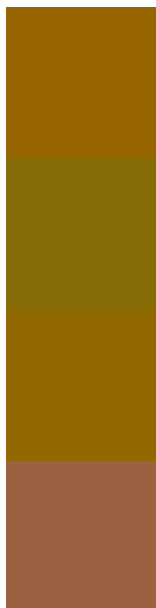
16.4130, 16.2662, 2.2746



Tritanopia

20.2008, 16.2116, 14.6348

Trichromacy



Original Color

17.7003, 16.1781, 2.1898

Protanomaly

15.6549, 16.1847, 2.4711

Deuteranomaly

16.9056, 16.2141, 2.2386

Tritanomaly

18.8394, 16.0856, 7.1129

Monochromacy



Original Color

17.7003, 16.1781, 2.1898

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.9895, 14.4435, 7.3607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7003, 16.1781, 2.1898 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(152, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 102, 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(152, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 102, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.7003, 16.1781, 2.1898 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(152, 102, 0) }
```


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

```
.border{ border-color:rgb(152, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 102,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7003, 16.1781, 2.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 102, 0) }
```

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

```
.background{ background-color: rgb(152,  
102, 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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