

Converting Colors

XYZ(18.5398, 17.0246, 0.0000)

Have a look what the booklet for
XYZ(18.5398, 17.0246, 0.0000)
contains.

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Color

**XYZ(18.8549, 17.0687,
2.3008)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6800
RGB	157, 104, 0
RGB Percent	62%, 41%, 0%
CMY	0.3843, 0.5921, 1.0000
CMYK	0.00, 0.34, 1.00, 0.38
HSL	40°, 100%, 31%
HSV	40°, 100%, 62%
XYZ	18.8549, 17.0687, 2.3008
YIQ	107.9910, 64.9720, -21.1080

Conversions

Conversions Part 2

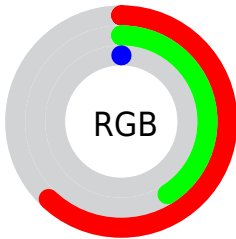
Format	Color
R_{YB}	80, 157, 0
Decimal	10315776
CIE Lab	48.35, 14.25, 55.65
CIE LCh	48, 57.445, 75.635
Yxy	17.0687, 0.4933, 0.4465
Android (android.graphics.Color)	4288505856 (0xFF9D6800)
YUV	107.9910, -53.2396, 42.9809
Hunter-Lab	41.3143, 9.1633, 25.6181

Details

The XYZ color **18.8549, 17.0687, 2.3008** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.3589, 4.9805, 32.4714**, and the grayscale version is **14.3838, 15.1329, 16.4797**.

A 20% lighter version of the original color is **40.9097, 38.3894, 9.8111**, and **6.7187, 5.6356, 0.7337** is the 20% darker color. If you saturate the color by 10%, you get **18.8551, 17.0692, 2.3009**, and if you desaturate by 10%, it is **19.4970, 18.2068, 2.9654**.

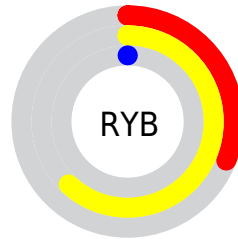
Distribution



Red (62%)

Green (41%)

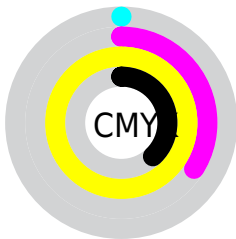
Blue (0%)



Red (31%)

Yellow (62%)

Blue (0%)

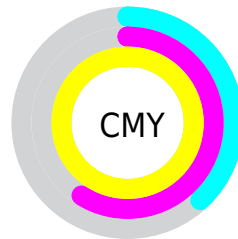


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8549, 17.0687, 2.3008 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 18.8549, 17.0687, 2.3008 by changing the saturation by 10% instead.

 18.8549, 17.0687,
2.3008


 18.8549, 17.0687,
2.3008


238.6001,
235.5680, 126.8855


 11.6689, 10.2835,
0.7317


 41.0075, 38.4439,
9.8480


 6.5892, 5.5873,
0.0000


 56.7049, 53.8026,
16.6813


 3.2506, 2.5958,
0.0000

 75.9700, 72.7879,
26.1125

 1.2876, 0.9246,
0.0000

 99.1683, 95.7843,
38.5601

 0.1739, 0.0000,
0.0000

 126.6650,
123.1761, 54.4426

 0.0000, 0.0000,
0.0000

 158.8257,

155.3477, 74.1787

196.0156,
192.6835, 98.1868

18.8549, 17.0687,
2.3008

18.8549, 17.0687,
2.3008

18.8551, 17.0692,
2.3009

19.4970, 18.2068,
2.9654

20.2428, 19.4404,
4.0099

21.1245, 20.7838,
5.5987

22.1556, 22.2434,
7.7997

23.3475, 23.8247,
10.6710

■ 24.7104, 25.5325,
14.2637

■ 26.2537, 27.3716,
18.6241

■ 27.9858, 29.3460,
23.7944

■ 29.9147, 31.4598,
29.8138

Harmonies

Analogous

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



24.3418, 17.0687, 4.6433



18.8549, 17.0687, 2.3008



13.6553, 17.0687, 2.3422

Triad

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



18.8549, 17.0687, 2.3008



8.3233, 17.0687, 27.5019



24.5495, 17.0687, 46.9618

Complementary

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



18.8549, 17.0687, 2.3008



7.3589, 4.9805, 32.4714

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.



19.0945, 17.0687, 62.5530



18.8549, 17.0687, 2.3008



10.1463, 17.0687, 47.8064

Square

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



18.8549, 17.0687, 2.3008



8.2863, 17.0687, 12.3032



13.8487, 17.0687, 62.9258



28.0789, 17.0687, 26.7068

Rectangle

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



18.8549, 17.0687, 2.3008



11.0304, 17.0687, 3.6105



13.8487, 17.0687, 62.9258



22.8336, 17.0687, 53.3078

Sweetspot

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



18.8553, 17.0696, 2.3011



46.8486, 48.8225, 32.8617



14.5930, 7.4435, 4.2761



10.0647, 10.4555, 6.5313



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.



18.8553, 17.0696, 2.3011



33.5851, 30.2039, 4.0598



21.8010, 29.1370, 4.4751



6.9814, 7.3428, 7.0350



15.3491, 13.9338, 1.8805



0.3119, 0.3241, 0.0461

Inverse Universe

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



7.3589, 4.9805, 32.4714



13.0187, 8.5989, 58.1003



6.4520, 2.6232, 32.0642



6.4586, 6.7830, 8.3755



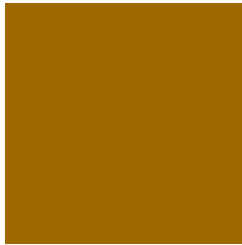
6.0081, 4.1077, 26.3834



0.1444, 0.1475, 0.4841

Previews

White Background



This preview shows how the XYZ color 18.8549, 17.0687, 2.3008 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 18.8549, 17.0687, 2.3008 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 18.8549, 17.0687, 2.3008

Background



This preview shows how black text looks on a background with the XYZ color 18.8549, 17.0687, 2.3008.



This preview shows how white text looks on a background with the XYZ color 18.8549, 17.0687,

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

18.8549, 17.0687, 2.3008

Protanopia

15.5117, 17.2608, 2.8307

Deuteranopia

17.3227, 17.0483, 2.3776



Tritanopia

21.4713, 17.1259, 15.2707

Trichromacy



Original Color

18.8549, 17.0687, 2.3008

Protanomaly

16.6477, 17.1791, 2.6395

Deuteranomaly

17.8354, 16.9994, 2.3412

Tritanomaly

20.0377, 16.9813, 7.3759

Monochromacy



Original Color

18.8549, 17.0687, 2.3008

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.9361, 15.3807, 7.8118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8549, 17.0687, 2.3008 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(157, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 104, 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(157, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.8549, 17.0687, 2.3008 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(157, 104, 0) }
```


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

```
.border{ border-color:rgb(157, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 104,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8549, 17.0687, 2.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 104, 0) }
```

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

```
.background{ background-color: rgb(157,  
104, 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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