

Converting Colors

XYZ(18.9267, 17.2118, 2.3276)

Have a look what the booklet for
XYZ(18.9267, 17.2118, 2.3276)
contains.

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Color

**XYZ(18.9562, 17.2712,
2.3346)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6900
RGB	157, 105, 0
RGB Percent	62%, 41%, 0%
CMY	0.3843, 0.5882, 1.0000
CMYK	0.00, 0.33, 1.00, 0.38
HSL	40°, 100%, 31%
HSV	40°, 100%, 62%
XYZ	18.9562, 17.2712, 2.3346
YIQ	108.5780, 64.6970, -21.6310

Conversions

Conversions Part 2

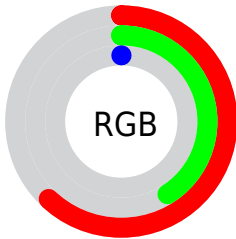
Format	Color
RYB	78, 157, 0
Decimal	10316032
CIELab	48.60, 13.68, 55.82
CIELCh	49, 57.469, 76.228
Yxy	17.2712, 0.4916, 0.4479
Android (android.graphics.Color)	4288506112 (0xFF9D6900)
YUV	108.5780, -53.5290, 42.4661
Hunter-Lab	41.5586, 8.6919, 25.7604

Details

The XYZ color **18.9562, 17.2712, 2.3346** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.3139, 4.8905, 32.4566**, and the grayscale version is **14.5507, 15.3085, 16.6709**.

A 20% lighter version of the original color is **41.0769, 38.7237, 9.8669**, and **6.7686, 5.7354, 0.7503** is the 20% darker color. If you saturate the color by 10%, you get **18.9563, 17.2716, 2.3346**, and if you desaturate by 10%, it is **19.5939, 18.4005, 2.9978**.

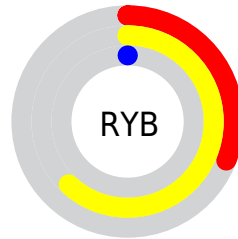
Distribution



Red (62%)

Green (41%)

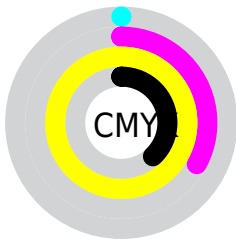
Blue (0%)



Red (31%)

Yellow (62%)

Blue (0%)

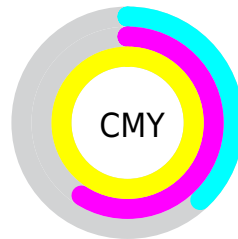


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9562, 17.2712, 2.3346 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 18.9562, 17.2712, 2.3346 by changing the saturation by 10% instead.

■ 18.9562, 17.2712,
2.3346

■ 18.9562, 17.2712,
2.3346

239.1496,
236.7304, 127.3734

■ 11.7425, 10.4280,
0.7505

■ 41.1775, 38.7915,
9.9369

■ 6.6395, 5.6837,
0.0000

■ 56.9158, 54.2374,
16.8076

■ 3.2820, 2.6537,
0.0000

■ 76.2263, 73.3197,
26.2827

■ 1.3046, 0.9537,
0.0000

■ 99.4744, 96.4227,
38.7808

■ 0.1867, 0.0000,
0.0000


■ 127.0254,
123.9309, 54.7203


■ 0.0000, 0.0000,
0.0000


■ 159.2447,


156.2287, 74.5199


 196.4977,
193.7004, 98.5981


 18.9562, 17.2712,
2.3346


 18.9562, 17.2712,
2.3346


 18.9563, 17.2716,
2.3346

 19.5939, 18.4005,
2.9978

 20.3341, 19.6229,
4.0405

 21.2091, 20.9527,
5.6271

 22.2321, 22.3962,
7.8255

 23.4146, 23.9588,
10.6938

■ 24.7669, 25.6454,
14.2830

■ 26.2983, 27.4605,
18.6395

■ 28.0171, 29.4082,
23.8055

■ 29.9312, 31.4925,
29.8201

Harmonies

Analogous

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



24.4989, 17.2712, 4.6445



18.9562, 17.2712, 2.3346



13.7359, 17.2712, 2.4159

Triad

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



18.9562, 17.2712, 2.3346



8.4628, 17.2712, 28.1699



24.9035, 17.2712, 46.9861

Complementary

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



18.9562, 17.2712, 2.3346



7.3139, 4.8905, 32.4566

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.



19.4233, 17.2712, 62.8882



18.9562, 17.2712, 2.3346



10.3405, 17.2712, 48.6298

Square

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



18.9562, 17.2712, 2.3346



8.3905, 17.2712, 12.6921



14.1131, 17.2712, 63.6133



28.3988, 17.2712, 26.6210

Rectangle

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



18.9562, 17.2712, 2.3346



11.1116, 17.2712, 3.7413



14.1131, 17.2712, 63.6133



23.1853, 17.2712, 53.4166

Sweetspot

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



18.9566, 17.2721, 2.3349



46.9292, 48.9837, 32.8886



14.5321, 7.4192, 3.9550



10.0843, 10.4948, 6.5379



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.



18.9566, 17.2721, 2.3349



33.7675, 30.5688, 4.1206



21.3913, 28.9259, 4.4560



6.9849, 7.3498, 7.0362



15.4310, 14.0976, 1.9078



0.3130, 0.3262, 0.0465

Inverse Universe

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



7.3139, 4.8905, 32.4566



12.9399, 8.4413, 58.0741



6.5163, 2.6563, 32.0674



6.4553, 6.7763, 8.3744



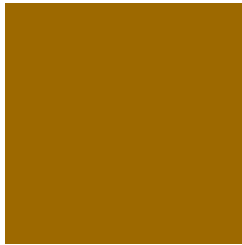
5.9711, 4.0338, 26.3711



0.1434, 0.1454, 0.4837

Previews

White Background



This preview shows how the XYZ color 18.9562, 17.2712, 2.3346 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 18.9562, 17.2712, 2.3346 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 18.9562, 17.2712, 2.3346

Background



This preview shows how black text looks on a background with the XYZ color 18.9562, 17.2712, 2.3346.



This preview shows how white text looks on a background with the XYZ color 18.9562, 17.2712,

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

18.9562, 17.2712, 2.3346

Protanopia

15.6603, 17.3380, 2.8083

Deuteranopia

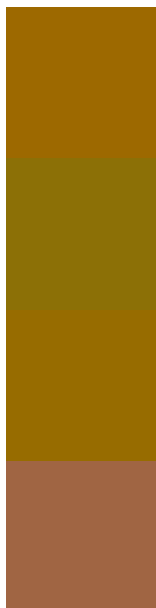
17.6086, 17.3549, 2.4218



Tritanopia

21.6154, 17.3324, 15.5708

Trichromacy



Original Color

18.9562, 17.2712, 2.3346

Protanomaly

16.6423, 17.1769, 2.6106

Deuteranomaly

18.1251, 17.3044, 2.3848

Tritanomaly

20.1640, 17.1862, 7.5647

Monochromacy



Original Color

18.9562, 17.2712, 2.3346

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 18.9562, 17.2712, 2.3346 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, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 105, 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, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.9562, 17.2712, 2.3346 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, 105, 0) }
```


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

```
.border{ border-color:rgb(157, 105, 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, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9562, 17.2712, 2.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 105, 0) }
```

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

```
.background{ background-color: rgb(157,  
105, 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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