

Converting Colors

XYZ(19.5202, 18.3452, 2.5122)

Have a look what the booklet for
XYZ(19.5202, 18.3452, 2.5122)
contains.

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Color

**XYZ(19.4806, 18.3200,
2.5094)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6E00
RGB	157, 110, 0
RGB Percent	62%, 43%, 0%
CMY	0.3843, 0.5686, 1.0000
CMYK	0.00, 0.30, 1.00, 0.38
HSL	42°, 100%, 31%
HSV	42°, 100%, 62%
XYZ	19.4806, 18.3200, 2.5094
YIQ	111.5130, 63.3220, -24.2460

Conversions

Conversions Part 2

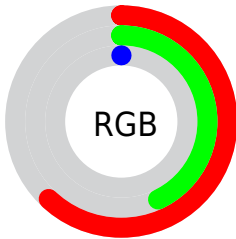
Format	Color
R_{YB}	67, 157, 0
Decimal	10317312
CIE _{Lab}	49.88, 10.82, 56.67
CIE _{LCh}	50, 57.698, 79.187
Yxy	18.3200, 0.4833, 0.4545
Android (android.graphics.Color)	4288507392 (0xFF9D6E00)
YUV	111.5130, -54.9759, 39.8921
Hunter-Lab	42.8019, 6.3382, 26.4852

Details

The XYZ color **19.4806, 18.3200, 2.5094** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.1025, 4.4676, 32.3861**, and the grayscale version is **15.4019, 16.2040, 17.6461**.

A 20% lighter version of the original color is **41.9610, 40.4475, 10.2982**, and **7.0330, 6.2643, 0.8385** is the 20% darker color. If you saturate the color by 10%, you get **19.4807, 18.3204, 2.5095**, and if you desaturate by 10%, it is **20.0930, 19.3987, 3.1641**.

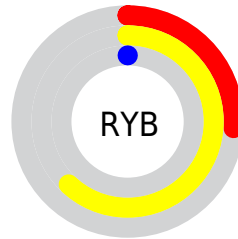
Distribution



Red (62%)

Green (43%)

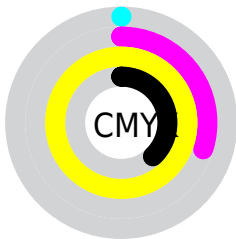
Blue (0%)



Red (26%)

Yellow (62%)

Blue (0%)

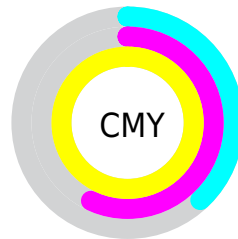


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4806, 18.3200, 2.5094 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 19.4806, 18.3200, 2.5094 by changing the saturation by 10% instead.

■ 19.4806, 18.3200,
2.5094

■ 19.4806, 18.3200,
2.5094

241.9768,
242.6686, 129.8434

■ 12.1241, 11.1800,
0.8451

■ 42.0553, 40.5818,
10.3918

■ 6.9011, 6.1880,
0.0000

■ 58.0042, 56.4725,
17.4518

■ 3.4461, 2.9597,
0.0000

■ 77.5479, 76.0487,
27.1490

■ 1.3938, 1.1108,
0.0000

■ 101.0518, 99.6950,
39.9021

■ 0.2518, 0.0000,
0.0000

■ 128.8813,
127.7958, 56.1296

■ 0.0000, 0.0000,
0.0000

■ 161.4018,

160.7353, 76.2499

■ 198.9784,
198.8982, 100.6817

■ 19.4806, 18.3200,
2.5094

■ 19.4806, 18.3200,
2.5094

■ 19.4807, 18.3204,
2.5095

■ 20.0930, 19.3987,
3.1641

■ 20.8023, 20.5592,
4.1966

■ 21.6405, 21.8155,
5.7709

■ 22.6208, 23.1736,
7.9551

■ 23.7545, 24.6386,
10.8072

■ 25.0518, 26.2152,
14.3781

■ 26.5218, 27.9075,
18.7142

■ 28.1728, 29.7195,
23.8576

■ 30.0125, 31.6549,
29.8474

Harmonies

Analogous

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



25.3116, 18.3200, 4.6525



19.4806, 18.3200, 2.5094



14.1521, 18.3200, 2.8090

Triad

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



19.4806, 18.3200, 2.5094



9.1890, 18.3200, 31.6981



26.7442, 18.3200, 47.1401

Complementary

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



19.4806, 18.3200, 2.5094



7.1025, 4.4676, 32.3861

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.



21.1390, 18.3200, 64.6305



19.4806, 18.3200, 2.5094



11.3560, 18.3200, 52.9312

Square

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



19.4806, 18.3200, 2.5094



8.9295, 18.3200, 14.7711



15.4964, 18.3200, 67.1790



30.0569, 18.3200, 26.2105

Rectangle

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



19.4806, 18.3200, 2.5094



11.5304, 18.3200, 4.4456



15.4964, 18.3200, 67.1790



25.0168, 18.3200, 54.0007

Sweetspot

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



19.4810, 18.3209, 2.5097



47.3362, 49.7976, 33.0243



14.4198, 7.3743, 3.3638



10.1835, 10.6932, 6.5709



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.



19.4810, 18.3209, 2.5097



34.7143, 32.4623, 4.4362



20.6024, 28.5192, 4.4191



7.0024, 7.3848, 7.0420



15.8554, 14.9464, 2.0493



0.3184, 0.3371, 0.0483

Inverse Universe

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



7.1025, 4.4676, 32.3861



12.5714, 7.7042, 57.9512



6.6632, 2.7321, 32.0742



6.4386, 6.7429, 8.3688



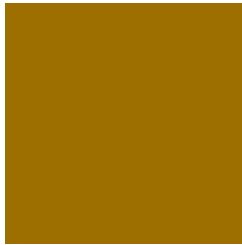
5.7975, 3.6865, 26.3132



0.1381, 0.1348, 0.4820

Previews

White Background



This preview shows how the XYZ color 19.4806, 18.3200, 2.5094 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 19.4806, 18.3200, 2.5094 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 19.4806, 18.3200, 2.5094

Background



This preview shows how black text looks on a background with the XYZ color 19.4806, 18.3200, 2.5094.



This preview shows how white text looks on a background with the XYZ color 19.4806, 18.3200,

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

19.4806, 18.3200, 2.5094

Protanopia

16.4831, 18.2839, 2.9476

Deuteranopia

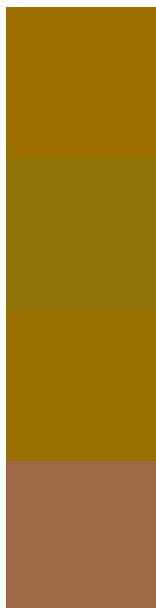
18.6676, 18.3896, 2.5657



Tritanopia

22.4661, 18.3099, 17.1019

Trichromacy



Original Color

19.4806, 18.3200, 2.5094

Protanomaly

17.4336, 18.2547, 2.7770

Deuteranomaly

18.9310, 18.3606, 2.5462

Tritanomaly

20.6543, 18.0189, 8.1838

Monochromacy



Original Color

19.4806, 18.3200, 2.5094

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7239, 16.4130, 8.3005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4806, 18.3200, 2.5094 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, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 110, 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, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 110, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4806, 18.3200, 2.5094 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, 110, 0) }
```


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

```
.border{ border-color:rgb(157, 110, 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, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 110,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4806, 18.3200, 2.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 110, 0) }
```

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

```
.background{ background-color: rgb(157,  
110, 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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