

# Converting Colors

XYZ(19.8246, 16.5619, 2.3242)

Have a look what the booklet for  
XYZ(19.8246, 16.5619, 2.3242)  
contains.

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# Color

**XYZ(19.8246, 16.5619,  
2.3242)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A56106
RGB	165, 97, 6
RGB Percent	65%, 38%, 2%
CMY	0.3529, 0.6196, 0.9764
CMYK	0.00, 0.41, 0.96, 0.35
HSL	34°, 93%, 34%
HSV	34°, 96%, 65%
XYZ	19.8246, 16.5619, 2.3242
YIQ	106.9580, 69.7390, -13.8850

# Conversions

## Conversions Part 2

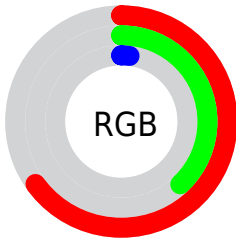
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 165, 6
Decimal	10838278
CIE <sub>Lab</sub>	47.70, 21.94, 54.35
CIE <sub>LCh</sub>	48, 58.615, 68.018
Yxy	16.5619, 0.5121, 0.4278
Android (android.graphics.Color)	4289028358 (0xFFA56106)
YUV	106.9580, -49.7723, 50.9028
Hunter-Lab	40.6963, 15.7351, 25.1013

# Details

The XYZ color **19.8246, 16.5619, 2.3242** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.3154, 7.6528, 36.5831**, and the grayscale version is **14.0842, 14.8177, 16.1365**.

A 20% lighter version of the original color is **42.5667, 37.5575, 9.8563**, and **7.2040, 5.4070, 0.6640** is the 20% darker color. If you saturate the color by 10%, you get **19.5586, 16.0826, 2.0734**, and if you desaturate by 10%, it is **20.6231, 17.9722, 3.1669**.

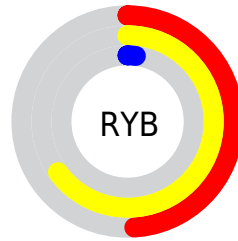
# Distribution



Red (65%)

Green (38%)

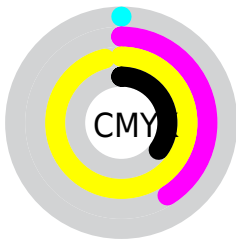
Blue (2%)



Red (49%)

Yellow (65%)

Blue (2%)

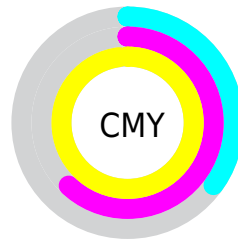


Cyan (0%)

Magenta (41%)

Yellow (96%)

Black (35%)



Cyan (35%)

Magenta (62%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8246, 16.5619, 2.3242 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 19.8246, 16.5619, 2.3242 by changing the saturation by 10% instead.



■ 19.8246, 16.5619,  
2.3242

■ 19.8246, 16.5619,  
2.3242

243.8157,  
232.6349, 127.2236

■ 12.3751, 9.9226,  
0.7447

■ 42.6291, 37.5710,  
9.9096

■ 7.0737, 5.3477,  
0.0000

■ 58.7149, 52.7096,  
16.7688

■ 3.5550, 2.4527,  
0.0000

■ 78.4101, 71.4501,  
26.2304

■ 1.4536, 0.8528,  
0.0000

■ 102.0801, 94.1769,  
38.7130

■ 0.2939, 0.0000,  
0.0000

■ 130.0904,  
121.2744, 54.6351

■ 0.0000, 0.0000,  
0.0000

■ 162.8061,

153.1269, 74.4152

200.5928,  
190.1190, 98.4719

19.8246, 16.5619,  
2.3242

19.8246, 16.5619,  
2.3242

19.5586, 16.0826,  
2.0734

20.6231, 17.9722,  
3.1669

21.5805, 19.5404,  
4.5542

22.7176, 21.2778,  
6.5879

24.0495, 23.1928,  
9.3409

25.5895, 25.2925,  
12.8758

■ 27.3492, 27.5839,  
17.2487

■ 29.3396, 30.0731,  
22.5102

■ 31.5705, 32.7661,  
28.7071

■ 34.0514, 35.6684,  
35.8827

# Harmonies

## Analogous

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



25.0941, 16.5619, 5.4555



19.8246, 16.5619, 2.3242



14.3769, 16.5619, 1.8908

# Triad

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



19.8246, 16.5619, 2.3242



7.7206, 16.5619, 22.3674



22.8027, 16.5619, 51.6813

# Complementary

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



19.8246, 16.5619, 2.3242



9.3154, 7.6528, 36.5831

# 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.



17.1900, 16.5619, 64.3911



19.8246, 16.5619, 2.3242



9.0604, 16.5619, 42.3002

# Square

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



19.8246, 16.5619, 2.3242



8.1218, 16.5619, 9.2412



12.2616, 16.5619, 60.2397



27.0622, 16.5619, 31.1426



# Rectangle

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



19.8246, 16.5619, 2.3242



11.4651, 16.5619, 2.6677



12.2616, 16.5619, 60.2397



20.9678, 16.5619, 57.4140

# Sweetspot

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



19.8250, 16.5628, 2.3245



51.3696, 52.4067, 37.1490



16.8487, 8.6363, 7.4181



10.9158, 11.0634, 7.2910



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



19.8250, 16.5628, 2.3245



34.8230, 28.3924, 3.6449



26.8905, 33.8324, 5.2855



7.3945, 7.7273, 7.4819



14.8467, 12.2674, 1.5853



0.3575, 0.3489, 0.0485



# Inverse Universe

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



9.3154, 7.6528, 36.5831



15.9560, 12.4509, 65.3146



7.0808, 2.9625, 35.7955



6.9379, 7.3348, 8.9532



6.8692, 5.5177, 27.6328

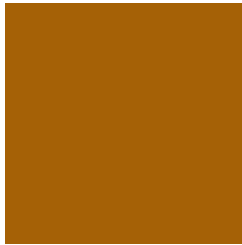


0.1908, 0.2089, 0.5961



# Previews

## White Background



This preview shows how the XYZ color 19.8246, 16.5619, 2.3242 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 19.8246, 16.5619, 2.3242 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 19.8246, 16.5619, 2.3242**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.8246, 16.5619, 2.3242.



This preview shows how white text looks on a background with the XYZ color 19.8246, 16.5619,



# 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

19.8246, 16.5619, 2.3242

### Protanopia

14.9987, 16.6555, 2.8398

### Deuteranopia

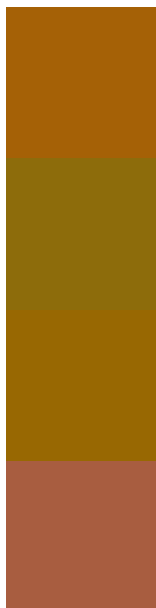
16.8642, 16.6544, 2.3258



## Tritanopia

22.1760, 16.6104, 13.3466

# Trichromacy



## Original Color

19.8246, 16.5619, 2.3242

## Protanomaly

16.4075, 16.4120, 2.6197

## Deuteranomaly

17.9102, 16.5804, 2.3138

## Tritanomaly

20.9882, 16.5237, 6.9337

# Monochromacy



## Original Color

19.8246, 16.5619, 2.3242

## Achromatopsia

13.9749, 14.7027, 16.0113

## Achromatomaly

14.8578, 14.7319, 7.8548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.8246, 16.5619, 2.3242 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(165, 97, 6)` looks like.

```
.text, #text, p{  
    color:rgb(165, 97, 6)  
}
```

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(165, 97, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 97, 6) }
```

## Border

The CSS property to change the border of an element to XYZ 19.8246, 16.5619, 2.3242 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(165, 97, 6) }
```



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

```
.border{ border-color:rgb(165, 97, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 97, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 97, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 97, 6);  
box-shadow:4px 4px 4px 4px rgb(165, 97, 6)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 19.8246, 16.5619, 2.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 97, 6) }
```

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

```
.background{ background-color: rgb(165, 97,  
6) }
```

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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