

Converting Colors

XYZ(17.8640, 15.5635, 1.6565)

Have a look what the booklet for
XYZ(17.8640, 15.5635, 1.6565)
contains.

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Color

**XYZ(17.9850, 15.6173,
2.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6100
RGB	156, 97, 0
RGB Percent	61%, 38%, 0%
CMY	0.3882, 0.6196, 1.0000
CMYK	0.00, 0.38, 1.00, 0.39
HSL	37°, 100%, 31%
HSV	37°, 100%, 61%
XYZ	17.9850, 15.6173, 2.0665
YIQ	103.5830, 66.3010, -17.6590

Conversions

Conversions Part 2

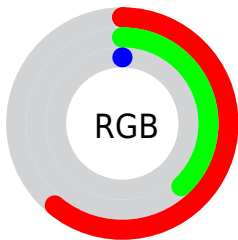
Format	Color
R_{YB}	95, 156, 0
Decimal	10248448
CIE Lab	46.47, 17.79, 54.36
CIE LCh	46, 57.193, 71.875
Yxy	15.6173, 0.5042, 0.4378
Android (android.graphics.Color)	4288438528 (0xFF9C6100)
YUV	103.5830, -51.0664, 45.9697
Hunter-Lab	39.5187, 12.0777, 24.5627

Details

The XYZ color **17.9850, 15.6173, 2.0665** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5647, 5.5281, 32.1206**, and the grayscale version is **13.1668, 13.8525, 15.0853**.

A 20% lighter version of the original color is **39.4565, 35.9638, 9.2770**, and **6.2862, 4.9339, 0.6210** is the 20% darker color. If you saturate the color by 10%, you get **17.9852, 15.6178, 2.0666**, and if you desaturate by 10%, it is **18.6415, 16.7856, 2.7323**.

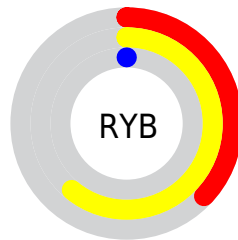
Distribution



Red (61%)

Green (38%)

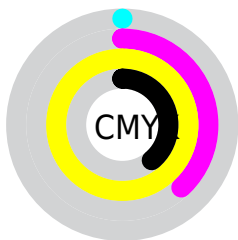
Blue (0%)



Red (37%)

Yellow (61%)

Blue (0%)

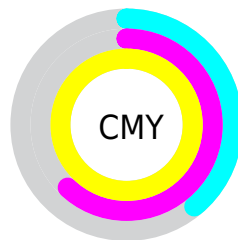


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9850, 15.6173, 2.0665 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 17.9850, 15.6173, 2.0665 by changing the saturation by 10% instead.


 17.9850, 15.6173,
2.0665


 17.9850, 15.6173,
2.0665


233.8337,
227.0728, 123.4010


 11.0388, 9.2538,
0.5957


 39.5420, 35.9325,
9.2218


 6.1605, 4.9071,
0.0000


 54.8836, 50.6530,
15.7884

 2.9845, 2.1928,
0.0000

 73.7544, 68.9279,
24.9057

 1.1456, 0.7161,
0.0000

 96.5198, 91.1417,
36.9921

 0.0627, 0.0000,
0.0000


 123.5450,
117.6786, 52.4664


 0.0000, 0.0000,
0.0000


 155.1955,


148.9232, 71.7469


 191.8366,
185.2598, 95.2522


 17.9850, 15.6173,
2.0665


 17.9850, 15.6173,
2.0665


 17.9852, 15.6178,
2.0666

 18.6415, 16.7856,
2.7323

 19.4080, 18.0634,
3.7741

 20.3163, 19.4655,
5.3551

 21.3801, 20.9986,
7.5420

 22.6108, 22.6686,
10.3922

■ 24.0188, 24.4808,
13.9561

■ 25.6134, 26.4402,
18.2791

■ 27.4032, 28.5512,
23.4030

■ 29.3962, 30.8183,
29.3665

Harmonies

Analogous

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



23.0595, 15.6173, 4.5743



17.9850, 15.6173, 2.0665



12.9811, 15.6173, 1.8846

Triad

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



17.9850, 15.6173, 2.0665



7.3781, 15.6173, 23.2105



22.0952, 15.6173, 46.2021

Complementary

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



17.9850, 15.6173, 2.0665



7.5647, 5.5281, 32.1206

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.



16.8766, 15.6173, 59.6766



17.9850, 15.6173, 2.0665



8.8559, 15.6173, 42.2542

Square

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



17.9850, 15.6173, 2.0665



7.5468, 15.6173, 9.8929



12.0914, 15.6173, 57.9288



25.7702, 15.6173, 26.9005

Rectangle

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



17.9850, 15.6173, 2.0665



10.3881, 15.6173, 2.8146



12.0914, 15.6173, 57.9288



20.4200, 15.6173, 51.9420

Sweetspot

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



17.9853, 15.6181, 2.0668



46.3391, 47.8033, 32.6919



14.5206, 7.3921, 4.9091



9.9408, 10.2077, 6.4900



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.



17.9853, 15.6181, 2.0668



32.4719, 27.9775, 3.6887



22.3366, 29.1630, 4.4519



6.9592, 7.2984, 7.0276



14.8485, 12.9325, 1.7136



0.3052, 0.3106, 0.0439

Inverse Universe

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



7.5647, 5.5281, 32.1206



13.5634, 9.6883, 58.2819



6.2540, 2.5309, 31.6112



6.4801, 6.8259, 8.3827



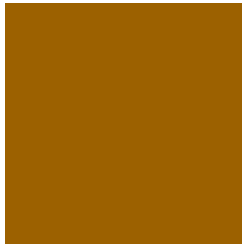
6.2622, 4.6159, 26.4681



0.1512, 0.1610, 0.4863

Previews

White Background



This preview shows how the XYZ color 17.9850, 15.6173, 2.0665 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 17.9850, 15.6173, 2.0665 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 17.9850, 15.6173, 2.0665

Background



This preview shows how black text looks on a background with the XYZ color 17.9850, 15.6173, 2.0665.



This preview shows how white text looks on a background with the XYZ color 17.9850, 15.6173,

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

17.9850, 15.6173, 2.0665

Protanopia

14.2023, 15.7530, 2.6087

Deuteranopia

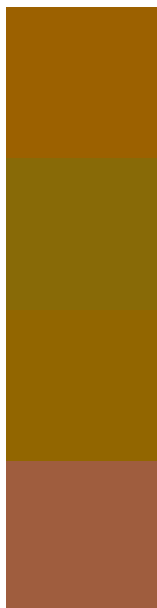
15.8668, 15.6786, 2.1900



Tritanopia

20.3110, 15.6490, 13.2593

Trichromacy



Original Color

17.9850, 15.6173, 2.0665

Protanomaly

15.3457, 15.5576, 2.3951

Deuteranomaly

16.6054, 15.6137, 2.1386

Tritanomaly

19.0819, 15.5474, 6.5527

Monochromacy



Original Color

17.9850, 15.6173, 2.0665

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.8054, 13.9117, 7.1119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9850, 15.6173, 2.0665 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(156, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 97, 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(156, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.9850, 15.6173, 2.0665 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(156, 97, 0) }
```


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

```
.border{ border-color:rgb(156, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(156, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.9850, 15.6173, 2.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 97, 0) }
```

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

```
.background{ background-color: rgb(156, 97,  
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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