

Converting Colors

XYZ(19.5870, 17.4598, 2.3377)

Have a look what the booklet for
XYZ(19.5870, 17.4598, 2.3377)
contains.

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Color

**XYZ(19.6483, 17.4777,
2.3380)**

Conversions

Conversions Part 1

Format	Color
Hex	A16800
RGB	161, 104, 0
RGB Percent	63%, 41%, 0%
CMY	0.3686, 0.5921, 1.0000
CMYK	0.00, 0.35, 1.00, 0.37
HSL	39°, 100%, 32%
HSV	39°, 100%, 63%
XYZ	19.6483, 17.4777, 2.3380
YIQ	109.1870, 67.3560, -20.2600

Conversions

Conversions Part 2

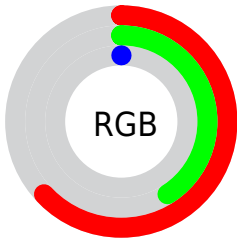
Format	Color
RYB	88, 161, 0
Decimal	10577920
CIELab	48.86, 16.09, 56.23
CIELCh	49, 58.488, 74.034
Yxy	17.4777, 0.4979, 0.4429
Android (android.graphics.Color)	4288768000 (0xFFA16800)
YUV	109.1870, -53.8292, 45.4400
Hunter-Lab	41.8063, 10.7310, 25.9487

Details

The XYZ color **19.6483, 17.4777, 2.3380** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8963, 5.4997, 34.3634**, and the grayscale version is **14.7245, 15.4913, 16.8700**.

A 20% lighter version of the original color is **42.4096, 39.1626, 9.8813**, and **7.1720, 5.8693, 0.7549** is the 20% darker color. If you saturate the color by 10%, you get **19.6484, 17.4781, 2.3380**, and if you desaturate by 10%, it is **20.3363, 18.7029, 3.0326**.

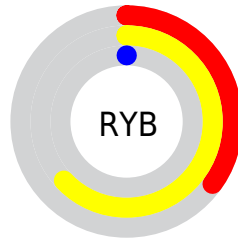
Distribution



Red (63%)

Green (41%)

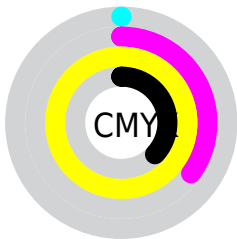
Blue (0%)



Red (35%)

Yellow (63%)

Blue (0%)

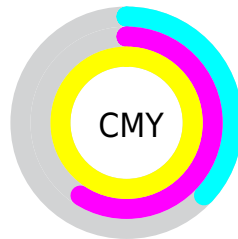


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6483, 17.4777, 2.3380 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 19.6483, 17.4777, 2.3380 by changing the saturation by 10% instead.

■ 19.6483, 17.4777,
2.3380

■ 19.6483, 17.4777,
2.3380

242.8748,
237.9104, 127.4223

■ 12.2464, 10.5757,
0.7524

■ 42.3352, 39.1453,
9.9458

■ 6.9851, 5.7823,
0.0000

■ 58.3509, 54.6797,
16.8203

■ 3.4990, 2.7131,
0.0000

■ 77.9687, 73.8602,
26.2998

■ 1.4228, 0.9839,
0.0000

■ 101.5538, 97.0714,
38.8029


■ 0.2724, 0.0000,
0.0000


■ 129.4716,
124.6977, 54.7482


■ 0.0000, 0.0000,
0.0000


■ 162.0874,


157.1233, 74.5541


 199.7667,
194.7327, 98.6393


 19.6483, 17.4777,
2.3380


 19.6483, 17.4777,
2.3380


 19.6484, 17.4781,
2.3380

 20.3363, 18.7029,
3.0326

 21.1383, 20.0363,
4.1346

 22.0877, 21.4930,
5.8141

 23.1990, 23.0799,
8.1436

 24.4844, 24.8031,
11.1851

■ 25.9549, 26.6681,
14.9930

■ 27.6206, 28.6798,
19.6165

■ 29.4906, 30.8430,
25.1007

■ 31.5733, 33.1620,
31.4873

Harmonies

Analogous

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



25.2921, 17.4777, 4.9058



19.6483, 17.4777, 2.3380



14.2097, 17.4777, 2.2742

Triad

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



19.6483, 17.4777, 2.3380



8.4108, 17.4777, 27.2288



24.9645, 17.4777, 49.5831

Complementary

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



19.6483, 17.4777, 2.3380



7.8963, 5.4997, 34.3634

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.



19.2709, 17.4777, 65.1873



19.6483, 17.4777, 2.3380



10.1870, 17.4777, 48.2471

Square

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



19.6483, 17.4777, 2.3380



8.4687, 17.4777, 11.9415



13.9059, 17.4777, 64.5969



28.7882, 17.4777, 28.4826

Rectangle

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



19.6483, 17.4777, 2.3380



11.4330, 17.4777, 3.4606



13.9059, 17.4777, 64.5969



23.1577, 17.4777, 56.0527

Sweetspot

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



19.6487, 17.4786, 2.3383



49.2874, 51.1516, 34.6208



15.4883, 7.8934, 4.8501



10.5438, 10.9010, 6.8447



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.6487, 17.4786, 2.3383



34.9971, 30.9184, 4.1233



23.4817, 31.0247, 4.7510



7.4374, 7.8132, 7.4962



15.7320, 14.0379, 1.8804



0.3725, 0.3789, 0.0535

Inverse Universe

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



7.8963, 5.4997, 34.3634



13.9715, 9.5095, 61.4857



6.7525, 2.7380, 33.8906



6.8961, 7.2512, 8.9392



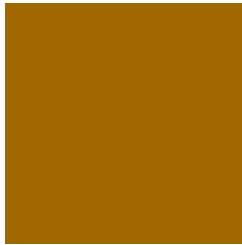
6.3418, 4.4630, 27.4570



0.1765, 0.1804, 0.5914

Previews

White Background



This preview shows how the XYZ color 19.6483, 17.4777, 2.3380 looks on a white background.

Color Contrast Check

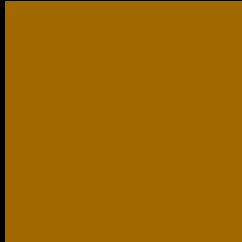
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6483, 17.4777, 2.3380 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 19.6483, 17.4777, 2.3380

Background



This preview shows how black text looks on a background with the XYZ color 19.6483, 17.4777, 2.3380.



This preview shows how white text looks on a background with the XYZ color 19.6483, 17.4777,

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

19.6483, 17.4777, 2.3380

Protanopia

15.9374, 17.6523, 2.8838

Deuteranopia

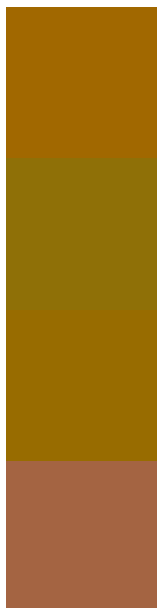
17.7171, 17.5719, 2.4579



Tritanopia

22.2904, 17.5482, 15.3090

Trichromacy



Original Color

19.6483, 17.4777, 2.3380

Protanomaly

17.1602, 17.4433, 2.6635

Deuteranomaly

18.3115, 17.4005, 2.3935

Tritanomaly

20.8504, 17.4002, 7.4139

Monochromacy



Original Color

19.6483, 17.4777, 2.3380

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.2340, 15.5343, 7.8257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6483, 17.4777, 2.3380 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(161, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.6483, 17.4777, 2.3380 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(161, 104, 0) }
```


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

```
.border{ border-color:rgb(161, 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(161, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 104,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6483, 17.4777, 2.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 104, 0) }
```

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

```
.background{ background-color: rgb(161,  
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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