

Converting Colors

XYZ(19.2877, 17.7519, 0.1102)

Have a look what the booklet for
XYZ(19.2877, 17.7519, 0.1102)
contains.

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Color

**XYZ(19.7549, 17.9890,
2.4310)**

Conversions

Conversions Part 1

Format	Color
Hex	A06B00
RGB	160, 107, 0
RGB Percent	63%, 42%, 0%
CMY	0.3726, 0.5804, 1.0000
CMYK	0.00, 0.33, 1.00, 0.37
HSL	40°, 100%, 31%
HSV	40°, 100%, 63%
XYZ	19.7549, 17.9890, 2.4310
YIQ	110.6490, 65.9350, -22.0410

Conversions

Conversions Part 2

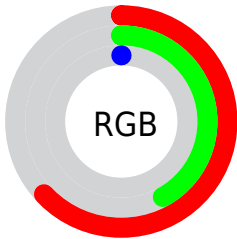
Format	Color
RYB	79, 160, 0
Decimal	10513152
CIELab	49.48, 13.92, 56.58
CIELCh	49, 58.272, 76.178
Yxy	17.9890, 0.4917, 0.4478
Android (android.graphics.Color)	4288703232 (0xFFA06B00)
YUV	110.6490, -54.5500, 43.2808
Hunter-Lab	42.4134, 8.9164, 26.2911

Details

The XYZ color **19.7549, 17.9890, 2.4310** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.6183, 5.0843, 33.8372**, and the grayscale version is **15.1479, 15.9368, 17.3551**.

A 20% lighter version of the original color is **42.3375, 39.8727, 10.1674**, and **7.2094, 6.1153, 0.8004** is the 20% darker color. If you saturate the color by 10%, you get **19.7551, 17.9895, 2.4311**, and if you desaturate by 10%, it is **20.4185, 19.1666, 3.1138**.

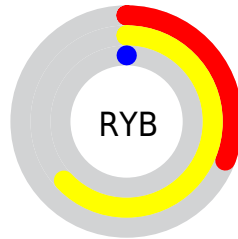
Distribution



Red (63%)

Green (42%)

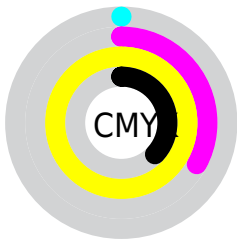
Blue (0%)



Red (31%)

Yellow (63%)

Blue (0%)

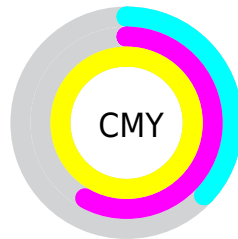


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7549, 17.9890, 2.4310 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 19.7549, 17.9890, 2.4310 by changing the saturation by 10% instead.

■ 19.7549, 17.9890,
2.4310

■ 19.7549, 17.9890,
2.4310

243.4441,
240.8090, 128.7464

■ 12.3242, 10.9421,
0.8033

■ 42.5130, 40.0186,
10.1888

■ 7.0387, 6.0279,
0.0000

■ 58.5711, 55.7700,
17.1647

■ 3.5328, 2.8621,
0.0000

■ 78.2357, 75.1918,
26.7633

■ 1.4414, 1.0601,
0.0000

■ 101.8722, 98.6683,
39.4032

■ 0.2854, 0.0000,
0.0000


■ 129.8459,
126.5838, 55.5029


■ 0.0000, 0.0000,
0.0000


■ 162.5222,


159.3229, 75.4810


 200.2665,
197.2698, 99.7560


 19.7549, 17.9890,
2.4310


 19.7549, 17.9890,
2.4310


 19.7551, 17.9895,
2.4311

 20.4185, 19.1666,
3.1138

 21.1898, 20.4416,
4.1957

 22.1017, 21.8290,
5.8454

 23.1683, 23.3352,
8.1343

 24.4018, 24.9659,
11.1232

■ 25.8127, 26.7262,
14.8657

■ 27.4107, 28.6210,
19.4103

■ 29.2048, 30.6544,
24.8013

■ 31.2032, 32.8307,
31.0798

Harmonies

Analogous

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



25.5288, 17.9890, 4.8423



19.7549, 17.9890, 2.4310



14.3140, 17.9890, 2.5122

Triad

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



19.7549, 17.9890, 2.4310



8.8108, 17.9890, 29.3103



25.9330, 17.9890, 48.9863

Complementary

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



19.7549, 17.9890, 2.4310



7.6183, 5.0843, 33.8372

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.



20.2214, 17.9890, 65.5384



19.7549, 17.9890, 2.4310



10.7636, 17.9890, 50.6283

Square

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



19.7549, 17.9890, 2.4310



8.7386, 17.9890, 13.1979



14.6907, 17.9890, 66.2628



29.5804, 17.9890, 27.7631

Rectangle

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



19.7549, 17.9890, 2.4310



11.5778, 17.9890, 3.8889



14.6907, 17.9890, 66.2628



24.1418, 17.9890, 55.6833

Sweetspot

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



19.7553, 17.9899, 2.4313



49.5920, 51.7610, 34.7224



15.1475, 7.7338, 4.1033



10.6178, 11.0490, 6.8694



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.



19.7553, 17.9899, 2.4313



35.6776, 32.2794, 4.3501



22.2964, 30.1551, 4.6455



6.9849, 7.3498, 7.0362



15.4305, 14.0967, 1.9077



0.3130, 0.3262, 0.0465

Inverse Universe

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



7.6183, 5.0843, 33.8372



13.6651, 8.8967, 61.3835



6.7885, 2.7667, 33.4336



6.4553, 6.7763, 8.3744



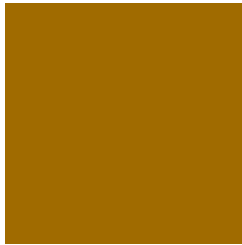
5.9713, 4.0342, 26.3712



0.1434, 0.1454, 0.4837

Previews

White Background



This preview shows how the XYZ color 19.7549, 17.9890, 2.4310 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



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 19.7549, 17.9890, 2.4310

Background



This preview shows how black text looks on a background with the XYZ color 19.7549, 17.9890, 2.4310.



This preview shows how white text looks on a background with the XYZ color 19.7549, 17.9890,

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

19.7549, 17.9890, 2.4310

Protanopia

16.2117, 17.9676, 2.9302

Deuteranopia

18.1886, 17.9779, 2.5114



Tritanopia

22.6327, 17.9845, 16.1884

Trichromacy



Original Color

19.7549, 17.9890, 2.4310

Protanomaly

17.3834, 17.8896, 2.7379

Deuteranomaly

18.7128, 17.9242, 2.4734

Tritanomaly

20.8990, 17.7066, 7.7851

Monochromacy



Original Color

19.7549, 17.9890, 2.4310

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.7665, 16.2739, 8.2714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7549, 17.9890, 2.4310 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(160, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 107, 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(160, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7549, 17.9890, 2.4310 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(160, 107, 0) }
```


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

```
.border{ border-color:rgb(160, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7549, 17.9890, 2.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 107, 0) }
```

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

```
.background{ background-color: rgb(160,  
107, 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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