

Converting Colors

XYZ(21.7218, 19.6245, 0.6487)

Have a look what the booklet for
XYZ(21.7218, 19.6245, 0.6487)
contains.

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Color

**XYZ(22.0466, 19.8039,
2.6606)**

Conversions

Conversions Part 1

Format	Color
Hex	A96F00
RGB	169, 111, 0
RGB Percent	66%, 44%, 0%
CMY	0.3373, 0.5647, 1.0000
CMYK	0.00, 0.34, 1.00, 0.34
HSL	39°, 100%, 33%
HSV	39°, 100%, 66%
XYZ	22.0466, 19.8039, 2.6606
YIQ	115.6880, 70.1990, -22.2250

Conversions

Conversions Part 2

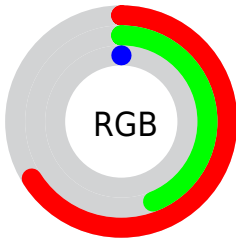
Format	Color
RYB	88, 169, 0
Decimal	11104000
CIELab	51.61, 15.77, 58.54
CIElCh	52, 60.627, 74.924
Yxy	19.8039, 0.4953, 0.4449
Android (android.graphics.Color)	4289294080 (0xFFA96F00)
YUV	115.6880, -57.0342, 46.7546
Hunter-Lab	44.5016, 10.5532, 27.6064

Details

The XYZ color **22.0466, 19.8039, 2.6606** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.6746, 5.8910, 38.2156**, and the grayscale version is **16.6596, 17.5272, 19.0872**.

A 20% lighter version of the original color is **46.3357, 43.2226, 10.7511**, and **8.3331, 6.9345, 0.8993** is the 20% darker color. If you saturate the color by 10%, you get **22.0467, 19.8043, 2.6606**, and if you desaturate by 10%, it is **22.8010, 21.1522, 3.4076**.

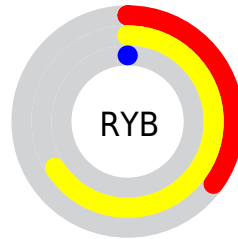
Distribution



Red (66%)

Green (44%)

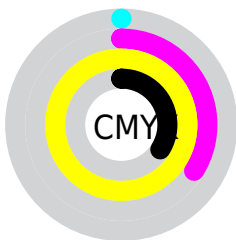
Blue (0%)



Red (35%)

Yellow (66%)

Blue (0%)

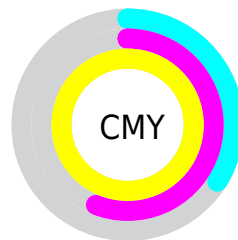


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0466, 19.8039, 2.6606 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 22.0466, 19.8039, 2.6606 by changing the saturation by 10% instead.

■ 22.0466, 19.8039,
2.6606

■ 22.0466, 19.8039,
2.6606

255.4173,
250.8515, 131.9130

■ 14.0079, 12.2526,
0.9235

■ 46.3013, 43.0882,
10.7788

■ 8.2079, 6.9159,
0.0000

■ 63.2480, 59.5899,
17.9975

■ 4.2812, 3.4096,
0.0000

■ 83.8948, 79.8439,
27.8808

■ 1.8624, 1.3491,
0.0000

■ 108.6071,
104.2345, 40.8470

■ 0.5549, 0.1788,
0.0000

■ 137.7501,
133.1462, 57.3148

■ 0.0000, 0.0000,
0.0000

■ 171.6892,

166.9634, 77.7027

210.7898,
206.0703, 102.4293

22.0466, 19.8039,
2.6606

22.0466, 19.8039,
2.6606

22.0467, 19.8043,
2.6606

22.8010, 21.1522,
3.4076

23.6820, 22.6173,
4.6163

24.7251, 24.2154,
6.4692

25.9468, 25.9541,
9.0484

27.3608, 27.8402,
12.4238

■ 28.9796, 29.8797,
16.6569

■ 30.8142, 32.0780,
21.8032

■ 32.8750, 34.4405,
27.9134

■ 35.1715, 36.9717,
35.0345

Harmonies

Analogous

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



28.4255, 19.8039, 5.4627



22.0466, 19.8039, 2.6606



15.9569, 19.8039, 2.6549

Triad

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



22.0466, 19.8039, 2.6606



9.6011, 19.8039, 31.4397



28.3966, 19.8039, 55.2307

Complementary

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



22.0466, 19.8039, 2.6606



8.6746, 5.8910, 38.2156

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.



22.0133, 19.8039, 73.1422



22.0466, 19.8039, 2.6606



11.6706, 19.8039, 55.1132

Square

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



22.0466, 19.8039, 2.6606



9.6062, 19.8039, 13.9432



15.9300, 19.8039, 73.0903



32.5965, 19.8039, 31.5502

Rectangle

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



22.0466, 19.8039, 2.6606



12.8671, 19.8039, 4.0695



15.9300, 19.8039, 73.0903



26.3807, 19.8039, 62.5800

Sweetspot

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



22.0470, 19.8049, 2.6610



54.9990, 57.2299, 38.5060



17.1555, 8.7525, 4.9440



11.6903, 12.1216, 7.5471



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.0470, 19.8049, 2.6610



39.2832, 35.0655, 4.6979



25.6285, 34.2735, 5.2649



7.9269, 8.3338, 7.9801



16.4827, 14.8626, 2.0000



0.4458, 0.4511, 0.0636

Inverse Universe

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



8.6746, 5.8910, 38.2156



15.3594, 10.1977, 68.3839



7.5712, 3.0760, 37.7304



7.3344, 7.7058, 9.5191



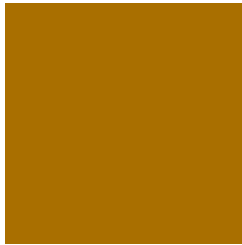
6.5106, 4.4814, 28.4973



0.2058, 0.2039, 0.7092

Previews

White Background



This preview shows how the XYZ color 22.0466, 19.8039, 2.6606 looks on a white 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

Black Background



This preview shows how the XYZ color 22.0466, 19.8039, 2.6606 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 22.0466, 19.8039, 2.6606

Background



This preview shows how black text looks on a background with the XYZ color 22.0466, 19.8039, 2.6606.



This preview shows how white text looks on a background with the XYZ color 22.0466, 19.8039,

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

22.0466, 19.8039, 2.6606

Protanopia

17.9215, 19.9308, 3.2503

Deuteranopia

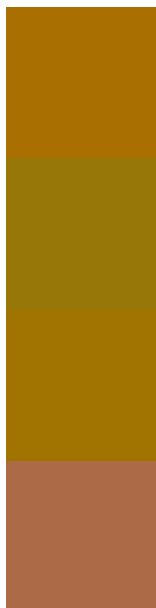
20.0716, 19.7905, 2.7621



Tritanopia

25.1750, 19.8469, 17.5429

Trichromacy



Original Color

22.0466, 19.8039, 2.6606

Protanomaly

19.2183, 19.6952, 3.0184

Deuteranomaly

20.8287, 19.8385, 2.7314

Tritanomaly

23.3046, 19.5337, 8.5033

Monochromacy



Original Color

22.0466, 19.8039, 2.6606

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.2450, 17.6799, 8.9822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0466, 19.8039, 2.6606 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(169, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 111, 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(169, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.0466, 19.8039, 2.6606 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(169, 111, 0) }
```


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

```
.border{ border-color:rgb(169, 111, 0) }
```

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

Here you see how a box with a 4 pixel rgb(169, 111, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 111,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0466, 19.8039, 2.6606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 111, 0) }
```

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

```
.background{ background-color: rgb(169,  
111, 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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