

Converting Colors

XYZ(21.3909, 19.5147, 2.6393)

Have a look what the booklet for
XYZ(21.3909, 19.5147, 2.6393)
contains.

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Color

**XYZ(21.4103, 19.4759,
2.6308)**

Conversions

Conversions Part 1

Format	Color
Hex	A66F00
RGB	166, 111, 0
RGB Percent	65%, 44%, 0%
CMY	0.3490, 0.5647, 1.0000
CMYK	0.00, 0.33, 1.00, 0.35
HSL	40°, 100%, 33%
HSV	40°, 100%, 65%
XYZ	21.4103, 19.4759, 2.6308
YIQ	114.7910, 68.4110, -22.8610

Conversions

Conversions Part 2

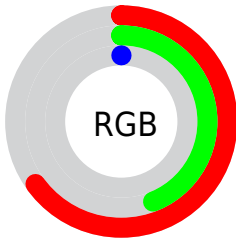
Format	Color
RYB	82, 166, 0
Decimal	10907392
CIELab	51.24, 14.40, 58.11
CIELCh	51, 59.869, 76.080
Yxy	19.4759, 0.4920, 0.4475
Android (android.graphics.Color)	4289097472 (0xFFA66F00)
YUV	114.7910, -56.5920, 44.9103
Hunter-Lab	44.1315, 9.3687, 27.3576

Details

The XYZ color **21.4103, 19.4759, 2.6308** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.2492, 5.4857, 36.7000**, and the grayscale version is **16.3846, 17.2379, 18.7720**.

A 20% lighter version of the original color is **45.3866, 42.7333, 10.7067**, and **8.0842, 6.8062, 0.8876** is the 20% darker color. If you saturate the color by 10%, you get **21.4104, 19.4763, 2.6309**, and if you desaturate by 10%, it is **22.1276, 20.7536, 3.3539**.

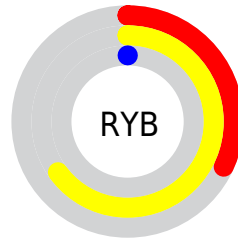
Distribution



Red (65%)

Green (44%)

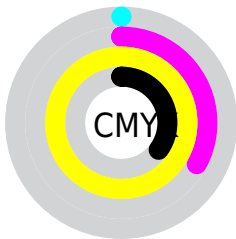
Blue (0%)



Red (32%)

Yellow (65%)

Blue (0%)

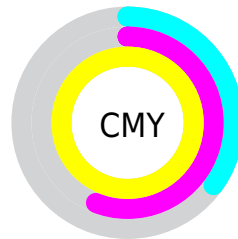


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4103, 19.4759, 2.6308 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 21.4103, 19.4759, 2.6308 by changing the saturation by 10% instead.

■ 21.4103, 19.4759,
2.6308

■ 21.4103, 19.4759,
2.6308

252.1417,
249.0635, 131.5098

■ 13.5384, 12.0147,
0.9083

■ 45.2555, 42.5367,
10.7030

■ 7.8799, 6.7537,
0.0000

■ 61.9596, 58.9051,
17.8908

■ 4.0693, 3.3085,
0.0000

■ 82.3385, 79.0113,
27.7378

■ 1.7414, 1.2948,
0.0000

■ 106.7574,
103.2397, 40.6625

■ 0.4820, 0.1372,
0.0000

■ 135.5819,
131.9748, 57.0836

■ 0.0000, 0.0000,
0.0000

■ 169.1772,

165.6008, 77.4194

207.9087,
204.5023, 102.0886

21.4103, 19.4759,
2.6308

21.4103, 19.4759,
2.6308

21.4104, 19.4763,
2.6309

22.1276, 20.7536,
3.3539

22.9632, 22.1380,
4.5169

23.9519, 23.6448,
6.2973

25.1091, 25.2811,
8.7738

26.4482, 27.0533,
12.0129

■ 27.9807, 28.9668,
16.0735

■ 29.7173, 31.0270,
21.0087

■ 31.6677, 33.2385,
26.8670

■ 33.8410, 35.6058,
33.6933

Harmonies

Analogous

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



27.6631, 19.4759, 5.2525



21.4103, 19.4759, 2.6308



15.5122, 19.4759, 2.7114

Triad

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



21.4103, 19.4759, 2.6308



9.5316, 19.4759, 31.6696



28.0648, 19.4759, 53.1331

Complementary

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



21.4103, 19.4759, 2.6308



8.2492, 5.4857, 36.7000

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.



21.8740, 19.4759, 71.0300



21.4103, 19.4759, 2.6308



11.6397, 19.4759, 54.7654

Square

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



21.4103, 19.4759, 2.6308



9.4599, 19.4759, 14.2438



15.8865, 19.4759, 71.7502



32.0277, 19.4759, 30.1318

Rectangle

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



21.4103, 19.4759, 2.6308



12.5440, 19.4759, 4.1941



15.8865, 19.4759, 71.7502



26.1222, 19.4759, 60.3819

Sweetspot

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



21.4107, 19.4769, 2.6312



53.7475, 56.0944, 37.5823



16.4235, 8.3861, 4.4101



11.7333, 12.2075, 7.5614



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.



21.4107, 19.4769, 2.6312



38.6572, 34.9457, 4.7077



24.1727, 32.7039, 5.0387



7.9343, 8.3487, 7.9825



16.6470, 15.1913, 2.0548



0.4490, 0.4575, 0.0646

Inverse Universe

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



8.2492, 5.4857, 36.7000



14.7970, 9.6070, 66.5497



7.3529, 2.9956, 36.2666



7.3273, 7.6915, 9.5168



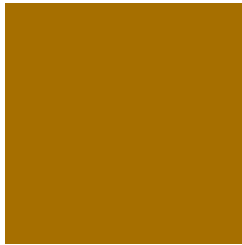
6.4357, 4.3316, 28.4724



0.2032, 0.1987, 0.7083

Previews

White Background



This preview shows how the XYZ color 21.4103, 19.4759, 2.6308 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 21.4103, 19.4759, 2.6308 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 21.4103, 19.4759, 2.6308

Background



This preview shows how black text looks on a background with the XYZ color 21.4103, 19.4759, 2.6308.



This preview shows how white text looks on a background with the XYZ color 21.4103, 19.4759,

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

21.4103, 19.4759, 2.6308

Protanopia

17.6246, 19.5934, 3.1696

Deuteranopia

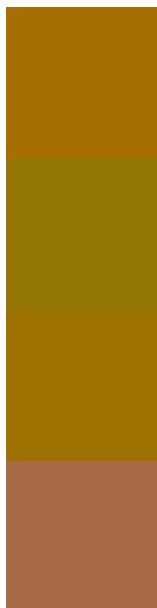
19.7630, 19.4593, 2.7144



Tritanopia

24.5141, 19.5061, 17.5120

Trichromacy



Original Color

21.4103, 19.4759, 2.6308

Protanomaly

18.8479, 19.5049, 2.9724

Deuteranomaly

20.3154, 19.4056, 2.6749

Tritanomaly

22.6536, 19.1980, 8.4729

Monochromacy



Original Color

21.4103, 19.4759, 2.6308

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.0514, 17.5840, 8.7987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4103, 19.4759, 2.6308 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(166, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4103, 19.4759, 2.6308 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(166, 111, 0) }
```


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

```
.border{ border-color:rgb(166, 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(166, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 111,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4103, 19.4759, 2.6308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 111, 0) }
```

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

```
.background{ background-color: rgb(166,  
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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