

Converting Colors

XYZ(22.2352, 21.2034, 2.9207)

Have a look what the booklet for
XYZ(22.2352, 21.2034, 2.9207)
contains.

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Color

**XYZ(22.3227, 21.3006,
2.9349)**

Conversions

Conversions Part 1

Format	Color
Hex	A67700
RGB	166, 119, 0
RGB Percent	65%, 47%, 0%
CMY	0.3490, 0.5333, 1.0000
CMYK	0.00, 0.28, 1.00, 0.35
HSL	43°, 100%, 33%
HSV	43°, 100%, 65%
XYZ	22.3227, 21.3006, 2.9349
YIQ	119.4870, 66.2110, -27.0450

Conversions

Conversions Part 2

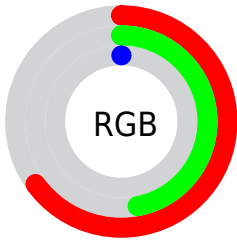
Format	Color
RYB	66, 166, 0
Decimal	10909440
CIELab	53.28, 9.88, 59.48
CIELCh	53, 60.292, 80.567
Yxy	21.3006, 0.4795, 0.4575
Android (android.graphics.Color)	4289099520 (0xFFA67700)
YUV	119.4870, -58.9071, 40.7919
Hunter-Lab	46.1526, 5.5684, 28.5365

Details

The XYZ color **22.3227, 21.3006, 2.9349** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8996, 4.7865, 36.5836**, and the grayscale version is **17.8566, 18.7866, 20.4586**.

A 20% lighter version of the original color is **46.9103, 45.6879, 11.5005**, and **8.5599, 7.7577, 1.0462** is the 20% darker color. If you saturate the color by 10%, you get **22.3229, 21.3011, 2.9350**, and if you desaturate by 10%, it is **22.9945, 22.4875, 3.6429**.

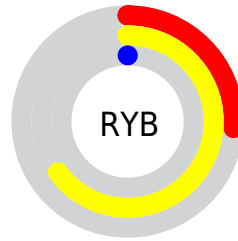
Distribution



Red (65%)

Green (47%)

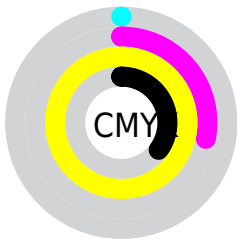
Blue (0%)



Red (26%)

Yellow (65%)

Blue (0%)

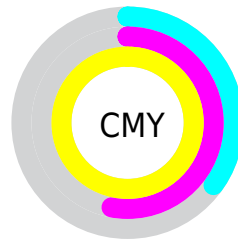


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3227, 21.3006, 2.9349 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 22.3227, 21.3006, 2.9349 by changing the saturation by 10% instead.

■ 22.3227, 21.3006,
2.9349

■ 22.3227, 21.3006,
2.9349

256.8277,
258.8717, 135.5271

■ 14.2121, 13.3439,
1.0615

■ 46.7537, 45.5873,
11.4674

■ 8.3510, 7.6658,
0.0000

■ 63.8048, 62.6861,
18.9635

■ 4.3741, 3.8818,
0.0000

■ 84.5668, 83.6010,
29.1710

■ 1.9159, 1.6077,
0.0000

■ 109.4050,
108.7165, 42.5083

■ 0.5860, 0.3628,
0.0000

■ 138.6849,
138.4169, 59.3941

■ 0.0000, 0.0000,
0.0000

■ 172.7717,

173.0866, 80.2467

212.0309,
213.1101, 105.4849

22.3227, 21.3006,
2.9349

22.3227, 21.3006,
2.9349

22.3229, 21.3011,
2.9350

22.9945, 22.4875,
3.6429

23.7752, 23.7618,
4.7876

24.6991, 25.1390,
6.5464

25.7815, 26.6257,
8.9979

27.0354, 28.2276,
12.2087

■ 28.4724, 29.9500,
16.2375

■ 30.1027, 31.7976,
21.1373

■ 31.9359, 33.7746,
26.9566

■ 33.9809, 35.8853,
33.7402

Harmonies

Analogous

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



29.0766, 21.3006, 5.2676



22.3227, 21.3006, 2.9349



16.2358, 21.3006, 3.4023

Triad

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



22.3227, 21.3006, 2.9349



10.7976, 21.3006, 37.8483



31.2713, 21.3006, 53.4178

Complementary

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



22.3227, 21.3006, 2.9349



7.8996, 4.7865, 36.5836

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.



24.8666, 21.3006, 74.0641



22.3227, 21.3006, 2.9349



13.4125, 21.3006, 62.2697

Square

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



22.3227, 21.3006, 2.9349



10.3976, 21.3006, 17.8997



18.3015, 21.3006, 77.9550



34.9127, 21.3006, 29.4382

Rectangle

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



22.3227, 21.3006, 2.9349



13.2717, 21.3006, 5.4357



18.3015, 21.3006, 77.9550



29.3140, 21.3006, 61.4105

Sweetspot

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



22.3232, 21.3017, 2.9353



54.4580, 57.5154, 37.8191



16.2397, 8.3127, 3.4420



11.9102, 12.5614, 7.6204



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.



22.3232, 21.3017, 2.9353



40.3264, 38.2843, 5.2642



22.8474, 32.0208, 4.9767



7.9647, 8.4095, 7.9927



17.3515, 16.6002, 2.2896



0.4623, 0.4841, 0.0691

Inverse Universe

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



7.8996, 4.7865, 36.5836



14.1802, 8.3734, 66.3441



7.6096, 3.1279, 36.2788



7.2983, 7.6336, 9.5071



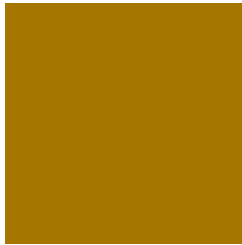
6.1608, 3.7819, 28.3808



0.1925, 0.1773, 0.7047

Previews

White Background



This preview shows how the XYZ color 22.3227, 21.3006, 2.9349 looks on a white background.

Color Contrast Check

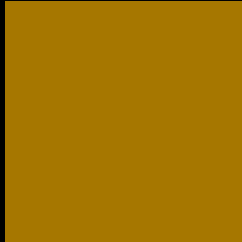
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3227, 21.3006, 2.9349 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 22.3227, 21.3006, 2.9349

Background



This preview shows how black text looks on a background with the XYZ color 22.3227, 21.3006, 2.9349.



This preview shows how white text looks on a background with the XYZ color 22.3227, 21.3006,

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

22.3227, 21.3006, 2.9349

Protanopia

19.2756, 21.3895, 3.3998

Deuteranopia

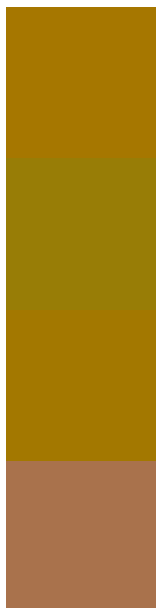
21.5353, 21.2518, 2.9670



Tritanopia

25.8088, 21.3587, 20.2151

Trichromacy



Original Color

22.3227, 21.3006, 2.9349

Protanomaly

20.3154, 21.3558, 3.2236

Deuteranomaly

21.8207, 21.2195, 2.9457

Tritanomaly

23.6840, 20.9914, 9.6409

Monochromacy



Original Color

22.3227, 21.3006, 2.9349

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.0547, 18.9497, 9.5435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3227, 21.3006, 2.9349 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, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 119, 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, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.3227, 21.3006, 2.9349 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, 119, 0) }
```


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

```
.border{ border-color:rgb(166, 119, 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, 119, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3227, 21.3006, 2.9349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 119, 0) }
```

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

```
.background{ background-color: rgb(166,  
119, 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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