

Converting Colors

XYZ(23.9656, 22.1002, 3.0026)

Have a look what the booklet for
XYZ(23.9656, 22.1002, 3.0026)
contains.

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Color

**XYZ(24.0524, 22.1923,
3.0158)**

Conversions

Conversions Part 1

Format	Color
Hex	AE7700
RGB	174, 119, 0
RGB Percent	68%, 47%, 0%
CMY	0.3176, 0.5333, 1.0000
CMYK	0.00, 0.32, 1.00, 0.32
HSL	41°, 100%, 34%
HSV	41°, 100%, 68%
XYZ	24.0524, 22.1923, 3.0158
YIQ	121.8790, 70.9790, -25.3490

Conversions

Conversions Part 2

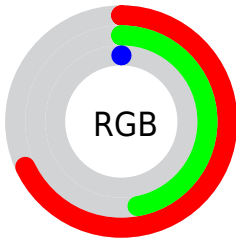
Format	Color
RYB	80, 174, 0
Decimal	11433728
CIELab	54.23, 13.54, 60.57
CIELCh	54, 62.070, 77.398
Yxy	22.1923, 0.4883, 0.4505
Android (android.graphics.Color)	4289623808 (0xFFAE7700)
YUV	121.8790, -60.0863, 45.7101
Hunter-Lab	47.1087, 8.6969, 29.1805

Details

The XYZ color **24.0524, 22.1923, 3.0158** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.0063, 5.7885, 40.6868**, and the grayscale version is **18.6336, 19.6040, 21.3488**.

A 20% lighter version of the original color is **49.4780, 47.0116, 11.6206**, and **9.4557, 8.2195, 1.0881** is the 20% darker color. If you saturate the color by 10%, you get **24.0526, 22.1929, 3.0160**, and if you desaturate by 10%, it is **24.8309, 23.5825, 3.7903**.

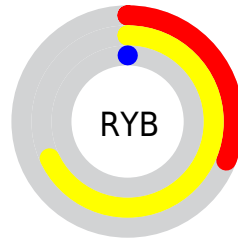
Distribution



Red (68%)

Green (47%)

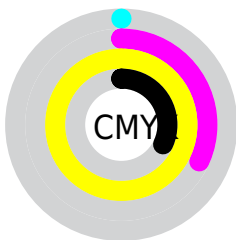
Blue (0%)



Red (31%)

Yellow (68%)

Blue (0%)

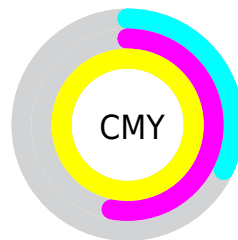


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0524, 22.1923, 3.0158 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 24.0524, 22.1923, 3.0158 by changing the saturation by 10% instead.

 24.0524, 22.1923,
3.0158


 24.0524, 22.1923,
3.0158


265.5208,
263.5489, 136.5616


 15.4974, 13.9983,
1.1027


 49.5697, 47.0636,
11.6674


 9.2578, 8.1195,
0.0000


 67.2628, 64.5097,
19.2430

 4.9682, 4.1715,
0.0000

 88.7327, 85.8086,
29.5432

 2.2632, 1.7699,
0.0000

 114.3447,
111.3447, 42.9864

 0.7757, 0.4683,
0.0000

 144.4641,
141.5023, 59.9914

 0.0000, 0.0000,
0.0000

 179.4564,

176.6660, 80.9765

219.6869,
217.2200, 106.3604

24.0524, 22.1923,
3.0158

24.0524, 22.1923,
3.0158

24.0526, 22.1929,
3.0160

24.8309, 23.5825,
3.7903

25.7391, 25.0852,
5.0604

26.8144, 26.7173,
7.0169

28.0739, 28.4866,
9.7482

29.5326, 30.4001,
13.3294

■ 31.2035, 32.4638,
17.8266

■ 33.0985, 34.6833,
23.2994

■ 35.2283, 37.0639,
29.8024

■ 37.6031, 39.6104,
37.3858

Harmonies

Analogous

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



31.1512, 22.1923, 5.8340



24.0524, 22.1923, 3.0158



17.4464, 22.1923, 3.2213

Triad

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



24.0524, 22.1923, 3.0158



10.9763, 22.1923, 37.0648



32.1576, 22.1923, 59.0537

Complementary

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



24.0524, 22.1923, 3.0158



9.0063, 5.7885, 40.6868

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.



25.2155, 22.1923, 79.7959



24.0524, 22.1923, 3.0158



13.4730, 22.1923, 63.1342

Square

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



24.0524, 22.1923, 3.0158



10.7955, 22.1923, 16.9294



18.3871, 22.1923, 81.5942



36.4583, 22.1923, 33.2112

Rectangle

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



24.0524, 22.1923, 3.0158



14.1534, 22.1923, 5.0329



18.3871, 22.1923, 81.5942



29.9956, 22.1923, 67.3377

Sweetspot

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



24.0529, 22.1934, 3.0162



59.8434, 62.6900, 41.6858



18.1476, 9.2756, 4.4614



12.9759, 13.5573, 8.3130



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.0529, 22.1934, 3.0162



43.4203, 39.8378, 5.4010



26.3086, 36.0316, 5.5684



8.4459, 8.8967, 8.4855



17.5006, 16.2068, 2.2058



0.5330, 0.5432, 0.0768

Inverse Universe

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



9.0063, 5.7885, 40.6868



16.1584, 10.1436, 73.7431



8.2327, 3.3617, 40.2591



7.7778, 8.1550, 10.1168



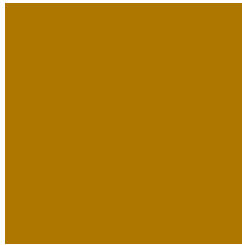
6.5801, 4.2941, 29.5265



0.2329, 0.2191, 0.8380

Previews

White Background



This preview shows how the XYZ color 24.0524, 22.1923, 3.0158 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 24.0524, 22.1923, 3.0158 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 24.0524, 22.1923, 3.0158

Background



This preview shows how black text looks on a background with the XYZ color 24.0524, 22.1923, 3.0158.



This preview shows how white text looks on a background with the XYZ color 24.0524, 22.1923,

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

24.0524, 22.1923, 3.0158

Protanopia

20.2093, 22.4598, 3.5866

Deuteranopia

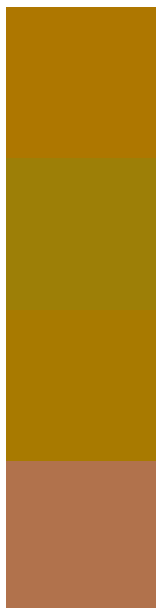
22.6000, 22.1653, 3.0872



Tritanopia

27.6046, 22.2845, 20.2992

Trichromacy



Original Color

24.0524, 22.1923, 3.0158

Protanomaly

21.5324, 22.3622, 3.3825

Deuteranomaly

23.1080, 22.2439, 3.0756

Tritanomaly

25.4533, 21.9035, 9.7237

Monochromacy



Original Color

24.0524, 22.1923, 3.0158

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.1970, 19.8875, 10.0346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0524, 22.1923, 3.0158 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(174, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.0524, 22.1923, 3.0158 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(174, 119, 0) }
```


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

```
.border{ border-color:rgb(174, 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(174, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0524, 22.1923, 3.0158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 119, 0) }
```

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

```
.background{ background-color: rgb(174,  
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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