

Converting Colors

XYZ(24.2904, 23.4785, 0.4649)

Have a look what the booklet for
XYZ(24.2904, 23.4785, 0.4649)
contains.

XYZ(24.7892, 23.6659, 3.2614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.7892, 23.6659,
3.2614)**

Conversions

Conversions Part 1

Format	Color
Hex	AE7D00
RGB	174, 125, 0
RGB Percent	68%, 49%, 0%
CMY	0.3176, 0.5098, 1.0000
CMYK	0.00, 0.28, 1.00, 0.32
HSL	43°, 100%, 34%
HSV	43°, 100%, 68%
XYZ	24.7892, 23.6659, 3.2614
YIQ	125.4010, 69.3290, -28.4870

Conversions

Conversions Part 2

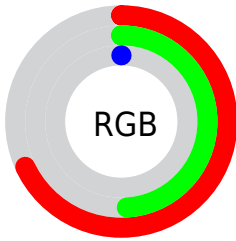
Format	Color
RYB	68, 174, 0
Decimal	11435264
CIELab	55.75, 10.18, 61.60
CIELCh	56, 62.433, 80.614
Yxy	23.6659, 0.4793, 0.4576
Android (android.graphics.Color)	4289625344 (0xFFAE7D00)
YUV	125.4010, -61.8227, 42.6213
Hunter-Lab	48.6476, 5.8243, 30.0784

Details

The XYZ color **24.7892, 23.6659, 3.2614** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.7384, 5.2528, 40.5975**, and the grayscale version is **19.8151, 20.8471, 22.7025**.

A 20% lighter version of the original color is **50.6972, 49.3541, 12.3231**, and **9.7869, 8.8819, 1.1985** is the 20% darker color. If you saturate the color by 10%, you get **24.7894, 23.6666, 3.2616**, and if you desaturate by 10%, it is **25.5298, 24.9802, 4.0233**.

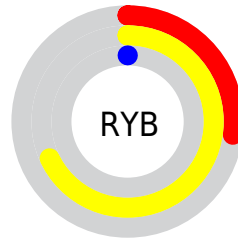
Distribution



Red (68%)

Green (49%)

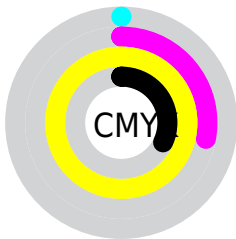
Blue (0%)



Red (27%)

Yellow (68%)

Blue (0%)

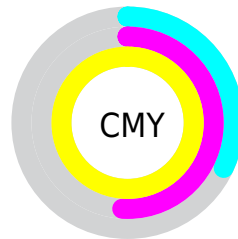


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7892, 23.6659, 3.2614 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 24.7892, 23.6659, 3.2614 by changing the saturation by 10% instead.

■ 24.7892, 23.6659,
3.2614

■ 24.7892, 23.6659,
3.2614

269.1536,
271.1270, 139.6233

■ 16.0480, 15.0860,
1.2296

■ 50.7604, 49.4844,
12.2669

■ 9.6492, 8.8797,
0.0030

■ 68.7211, 67.4919,
20.0777

■ 5.2274, 4.6628,
0.0000

■ 90.4856, 89.4105,
30.6520

■ 2.4174, 2.0508,
0.0000

■ 116.4193,
115.6249, 44.4081

■ 0.8538, 0.6368,
0.0000

■ 146.8877,
146.5193, 61.7648

■ 0.0000, 0.0000,
0.0000

■ 182.2559,

182.4782, 83.1406

■ 222.8894,
223.8860, 108.9539

■ 24.7892, 23.6659,
3.2614

■ 24.7892, 23.6659,
3.2614

■ 24.7894, 23.6666,
3.2616

■ 25.5298, 24.9802,
4.0233

■ 26.3926, 26.3922,
5.2783

■ 27.4148, 27.9182,
7.2171

■ 28.6135, 29.5657,
9.9282

■ 30.0033, 31.3413,
13.4864

■ 31.5971, 33.2508,
17.9580

■ 33.4066, 35.2994,
23.4024

■ 35.4425, 37.4921,
29.8740

■ 37.7147, 39.8334,
37.4233

Harmonies

Analogous

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



32.2922, 23.6659, 5.8472



24.7892, 23.6659, 3.2614



18.0304, 23.6659, 3.7852

Triad

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



24.7892, 23.6659, 3.2614



12.0009, 23.6659, 42.0891



34.7506, 23.6659, 59.2976

Complementary

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



24.7892, 23.6659, 3.2614



8.7384, 5.2528, 40.5975

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.



27.6388, 23.6659, 82.2482



24.7892, 23.6659, 3.2614



14.9097, 23.6659, 69.2123

Square

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



24.7892, 23.6659, 3.2614



11.5528, 23.6659, 19.9151



20.3445, 23.6659, 86.6060



38.7883, 23.6659, 32.6684

Rectangle

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



24.7892, 23.6659, 3.2614



14.7403, 23.6659, 6.0495



20.3445, 23.6659, 86.6060



32.5778, 23.6659, 68.1784

Sweetspot

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



24.7897, 23.6671, 3.2618



60.4108, 63.8248, 41.8749



18.0164, 9.2231, 3.7703



13.1166, 13.8387, 8.3599



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.



24.7897, 23.6671, 3.2618



44.7676, 42.5324, 5.8501



25.3383, 35.5314, 5.5230



8.4692, 8.9432, 8.4932



18.0321, 17.2698, 2.3830



0.5448, 0.5668, 0.0807

Inverse Universe

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



8.7384, 5.2528, 40.5975



15.6864, 9.1996, 73.5858



8.4285, 3.4626, 40.2683



7.7557, 8.1108, 10.1095



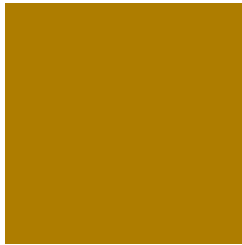
6.3823, 3.8985, 29.4606



0.2243, 0.2020, 0.8351

Previews

White Background



This preview shows how the XYZ color 24.7892, 23.6659, 3.2614 looks on a white background.

Color Contrast Check

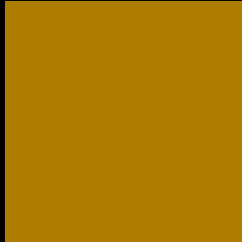
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7892, 23.6659, 3.2614 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 24.7892, 23.6659, 3.2614

Background



This preview shows how black text looks on a background with the XYZ color 24.7892, 23.6659, 3.2614.



This preview shows how white text looks on a background with the XYZ color 24.7892, 23.6659,

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

24.7892, 23.6659, 3.2614

Protanopia

21.3424, 23.6514, 3.7275

Deuteranopia

23.9516, 23.6138, 3.2955



Tritanopia

28.7695, 23.6747, 22.4554

Trichromacy



Original Color

24.7892, 23.6659, 3.2614

Protanomaly

22.4472, 23.6167, 3.5477

Deuteranomaly

24.2554, 23.5796, 3.2729

Tritanomaly

26.4049, 23.2378, 10.6831

Monochromacy



Original Color

24.7892, 23.6659, 3.2614

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.1093, 21.0861, 10.5996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7892, 23.6659, 3.2614 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, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 125, 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, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 125, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.7892, 23.6659, 3.2614 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, 125, 0) }
```


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

```
.border{ border-color:rgb(174, 125, 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, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 125,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7892, 23.6659, 3.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 125, 0) }
```

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

```
.background{ background-color: rgb(174,  
125, 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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