

Converting Colors

XYZ(24.6483, 23.9297, 1.3275)

Have a look what the booklet for
XYZ(24.6483, 23.9297, 1.3275)
contains.

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Color

**XYZ(25.0449, 24.1774,
3.3467)**

Conversions

Conversions Part 1

Format	Color
Hex	AE7F00
RGB	174, 127, 0
RGB Percent	68%, 50%, 0%
CMY	0.3177, 0.5019, 1.0000
CMYK	0.00, 0.27, 1.00, 0.32
HSL	44°, 100%, 34%
HSV	44°, 100%, 68%
XYZ	25.0449, 24.1774, 3.3467
YIQ	126.5750, 68.7790, -29.5330

Conversions

Conversions Part 2

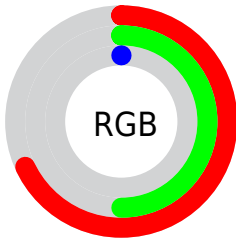
Format	Color
RYB	64, 174, 0
Decimal	11435776
CIELab	56.26, 9.06, 61.95
CIELCh	56, 62.605, 81.676
Yxy	24.1774, 0.4764, 0.4599
Android (android.graphics.Color)	4289625856 (0xFFAE7F00)
YUV	126.5750, -62.4015, 41.5917
Hunter-Lab	49.1705, 4.8702, 30.3839

Details

The XYZ color **25.0449, 24.1774, 3.3467** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.6567, 5.0893, 40.5701**, and the grayscale version is **20.2184, 21.2714, 23.1645**.

A 20% lighter version of the original color is **51.0952, 50.1500, 12.4557**, and **10.0605, 9.2307, 1.2515** is the 20% darker color. If you saturate the color by 10%, you get **25.0451, 24.1780, 3.3468**, and if you desaturate by 10%, it is **25.7710, 25.4629, 4.1038**.

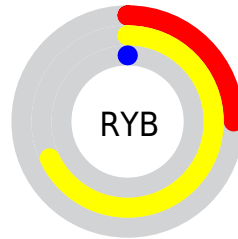
Distribution



Red (68%)

Green (50%)

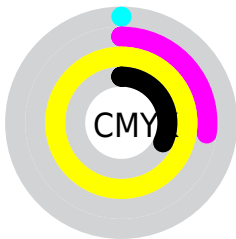
Blue (0%)



Red (25%)

Yellow (68%)

Blue (0%)

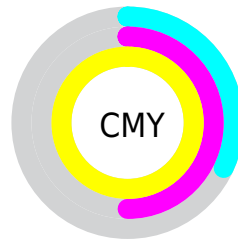


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0449, 24.1774, 3.3467 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 25.0449, 24.1774, 3.3467 by changing the saturation by 10% instead.


 25.0449, 24.1774,
3.3467


 25.0449, 24.1774,
3.3467


270.4050,
273.7161, 140.6608


 16.2394, 15.4653,
1.2743


 51.1724, 50.3195,
12.4726


 9.7857, 9.1466,
0.0406


 69.2252, 68.5183,
20.3631

 5.3182, 4.8369,
0.0000

 91.0911, 90.6481,
31.0301

 2.4718, 2.1519,
0.0000

 117.1354,
117.0933, 44.8921

 0.8811, 0.6936,
0.0000

 147.7237,
148.2384, 62.3676

 0.0000, 0.0000,
0.0000

 183.2211,

184.4676, 83.8752

■ 223.9931,
226.1654, 109.8334

■ 25.0449, 24.1774,
3.3467

■ 25.0449, 24.1774,
3.3467

■ 25.0451, 24.1780,
3.3468

■ 25.7710, 25.4629,
4.1038

■ 26.6171, 26.8412,
5.3533

■ 27.6201, 28.3288,
7.2858

■ 28.7972, 29.9331,
9.9897

■ 30.1629, 31.6605,
13.5400

■ 31.7300, 33.5167,
18.0028

■ 33.5103, 35.5068,
23.4375

■ 35.5143, 37.6358,
29.8986

■ 37.7520, 39.9080,
37.4365

Harmonies

Analogous

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



32.6876, 24.1774, 5.8529



25.0449, 24.1774, 3.3467



18.2327, 24.1774, 3.9875

Triad

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



25.0449, 24.1774, 3.3467



12.3588, 24.1774, 43.8703



35.6542, 24.1774, 59.3968

Complementary

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



25.0449, 24.1774, 3.3467



8.6567, 5.0893, 40.5701

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.



28.4869, 24.1774, 83.1012



25.0449, 24.1774, 3.3467



15.4140, 24.1774, 71.3410

Square

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



25.0449, 24.1774, 3.3467



11.8156, 24.1774, 20.9877



21.0316, 24.1774, 88.3463



39.5972, 24.1774, 32.4984

Rectangle

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



25.0449, 24.1774, 3.3467



14.9432, 24.1774, 6.4176



21.0316, 24.1774, 88.3463



33.4790, 24.1774, 68.4807

Sweetspot

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



25.0454, 24.1786, 3.3472



60.6018, 64.2068, 41.9386



18.0163, 9.2231, 3.7704



13.1640, 13.9336, 8.3757



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.



25.0454, 24.1786, 3.3472



45.2357, 43.4686, 6.0061



25.3383, 35.5313, 5.5230



8.4770, 8.9587, 8.4958



18.2165, 17.6385, 2.4445



0.5488, 0.5748, 0.0820

Inverse Universe

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



8.6567, 5.0893, 40.5701



15.5430, 8.9127, 73.5380



8.4286, 3.4627, 40.2681



7.7484, 8.0961, 10.1070



6.3218, 3.7774, 29.4404



0.2214, 0.1962, 0.8342

Previews

White Background



This preview shows how the XYZ color 25.0449, 24.1774, 3.3467 looks on a white background.

Color Contrast Check

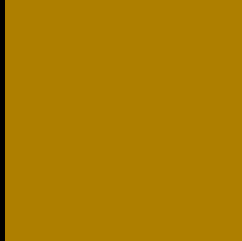
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0449, 24.1774, 3.3467 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 25.0449, 24.1774, 3.3467

Background



This preview shows how black text looks on a background with the XYZ color 25.0449, 24.1774, 3.3467.



This preview shows how white text looks on a background with the XYZ color 25.0449, 24.1774,

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

25.0449, 24.1774, 3.3467

Protanopia

21.9958, 24.4025, 3.8380

Deuteranopia

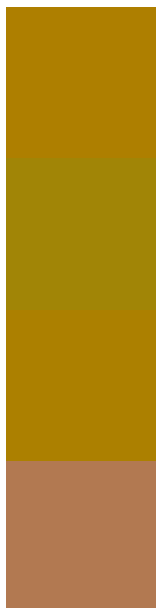
24.5138, 24.0963, 3.3590



Tritanopia

29.1316, 24.1925, 23.2129

Trichromacy



Original Color

25.0449, 24.1774, 3.3467

Protanomaly

23.1183, 24.3653, 3.6568

Deuteranomaly

24.7324, 24.2090, 3.3693

Tritanomaly

26.6827, 23.7338, 10.9593

Monochromacy



Original Color

25.0449, 24.1774, 3.3467

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5762, 21.7021, 10.8890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0449, 24.1774, 3.3467 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, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 127, 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, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.0449, 24.1774, 3.3467 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, 127, 0) }
```


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

```
.border{ border-color:rgb(174, 127, 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, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0449, 24.1774, 3.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 127, 0) }
```

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

```
.background{ background-color: rgb(174,  
127, 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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