

Converting Colors

XYZ(42.7974, 39.9612, 5.4576)

Have a look what the booklet for
XYZ(42.7974, 39.9612, 5.4576)
contains.

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Color

**XYZ(42.7974, 39.9612,
5.4576)**

Conversions

Conversions Part 1

Format	Color
Hex	E09D00
RGB	224, 157, 0
RGB Percent	88%, 62%, 0%
CMY	0.1216, 0.3843, 0.9999
CMYK	0.00, 0.30, 1.00, 0.12
HSL	42°, 100%, 44%
HSV	42°, 100%, 88%
XYZ	42.7974, 39.9612, 5.4576
YIQ	159.1350, 90.3290, -34.6230

Conversions

Conversions Part 2

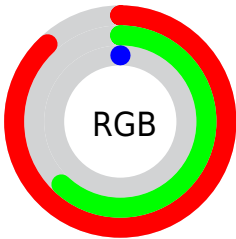
Format	Color
R_{YB}	96, 224, 0
Decimal	14720256
CIE _{Lab}	69.44, 14.95, 73.57
CIE _{LCh}	69, 75.076, 78.514
Yxy	39.9612, 0.4851, 0.4530
Android (android.graphics.Color)	4292910336 (0xFFE09D00)
YUV	159.1350, -78.4536, 56.8866
Hunter-Lab	63.2149, 10.2211, 39.1317

Details

The XYZ color **42.7974, 39.9612, 5.4576** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **15.4621, 9.3969, 71.5192**, and the grayscale version is **33.3371, 35.0733, 38.1948**.

A 20% lighter version of the original color is **65.8388, 68.3703, 16.5642**, and **20.2583, 18.0946, 2.4249** is the 20% darker color. If you saturate the color by 10%, you get **42.7975, 39.9618, 5.4577**, and if you desaturate by 10%, it is **44.1119, 42.3525, 6.6300**.

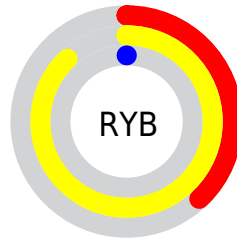
Distribution



Red (88%)

Green (62%)

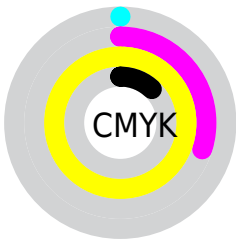
Blue (0%)



Red (38%)

Yellow (88%)

Blue (0%)

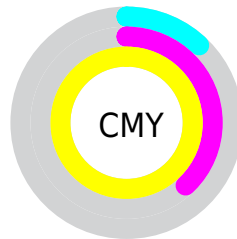


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7974, 39.9612, 5.4576 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 42.7974, 39.9612, 5.4576 by changing the saturation by 10% instead.

42.7974, 39.9612,
5.4576

42.7974, 39.9612,
5.4576

348.7136,
345.9600, 163.2621

29.9200, 27.5083,
2.4548

78.6627, 75.1044,
17.2521

19.9257, 17.9553,
0.8160

102.3812, 98.5635,
26.8808

12.4490, 10.9179,
0.0000

130.4443,
126.4602, 39.5552

7.1246, 6.0117,
0.0000

163.2171,
159.1787, 55.6939

3.5872, 2.8522,
0.0000

201.0651,
197.1036, 75.7154

1.4713, 1.0551,
0.0000

244.3536,

0.3062, 0.0000,

240.6192, 100.0382

0.0000

293.4480,
290.1098, 129.0809

0.0000, 0.0000,
0.0000

42.7974, 39.9612,
5.4576

42.7974, 39.9612,
5.4576

42.7975, 39.9618,
5.4577

44.1119, 42.3525,
6.6300

45.6611, 44.9369,
8.7309

47.5027, 47.7409,
12.0551

49.6692, 50.7788,
16.7702

52.1885, 54.0632,
23.0177

■ 55.0848, 57.6053,
30.9213

■ 58.3801, 61.4152,
40.5920

■ 62.0944, 65.5023,
52.1313

■ 66.2462, 69.8754,
65.6328

Harmonies

Analogous

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



55.5403, 39.9612, 10.2810



42.7974, 39.9612, 5.4576



31.0731, 39.9612, 6.0038

Triad

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



42.7974, 39.9612, 5.4576



19.9393, 39.9612, 68.2382



58.1752, 39.9612, 104.1294

Complementary

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



42.7974, 39.9612, 5.4576



15.4621, 9.3969, 71.5192

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.



45.8457, 39.9612, 141.9862



42.7974, 39.9612, 5.4576



24.5792, 39.9612, 114.7923

Square

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



42.7974, 39.9612, 5.4576



19.4635, 39.9612, 31.5635



33.5419, 39.9612, 146.6811



65.5951, 39.9612, 58.1468

Rectangle

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



42.7974, 39.9612, 5.4576



25.2759, 39.9612, 9.4567



33.5419, 39.9612, 146.6811



54.3602, 39.9612, 119.0776

Sweetspot

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



42.7983, 39.9632, 5.4584



78.2164, 82.2749, 54.1414



31.7597, 16.2552, 6.8068



16.3264, 17.1368, 10.3503



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.7983, 39.9632, 5.4584



57.3062, 53.3924, 7.2854



45.2926, 62.9186, 9.7577



14.5076, 15.3011, 14.4956



25.0164, 23.4708, 3.2118



1.8111, 1.7811, 0.2483

Inverse Universe

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



15.4621, 9.3969, 71.5192



20.6530, 12.4260, 95.9177



14.5284, 5.9357, 70.9003



13.2846, 13.9082, 17.3721



9.0876, 5.6448, 41.6590



0.7066, 0.5446, 2.9131

Previews

White Background



This preview shows how the XYZ color 42.7974, 39.9612, 5.4576 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 42.7974, 39.9612, 5.4576 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7974, 39.9612, 5.4576

Background



This preview shows how black text looks on a background with the XYZ color 42.7974, 39.9612, 5.4576.

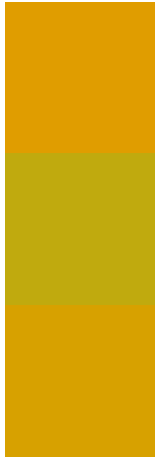


This preview shows how white text looks on a background with the XYZ color 42.7974, 39.9612,

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

42.7974, 39.9612, 5.4576

Protanopia

36.1922, 39.9876, 6.2263

Deuteranopia

40.7692, 39.9368, 5.5598



Tritanopia

49.3197, 39.9810, 37.0160

Trichromacy



Original Color

42.7974, 39.9612, 5.4576

Protanomaly

38.4063, 39.7674, 5.9101

Deuteranomaly

41.4842, 40.0470, 5.5434

Tritanomaly

45.2015, 39.2268, 17.2457

Monochromacy



Original Color

42.7974, 39.9612, 5.4576

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.1043, 35.4606, 17.3590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7974, 39.9612, 5.4576 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(224, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 157, 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(224, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.7974, 39.9612, 5.4576 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(224, 157, 0) }
```


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

```
.border{ border-color:rgb(224, 157, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 157,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7974, 39.9612, 5.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 157, 0) }
```

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

```
.background{ background-color: rgb(224,  
157, 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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