

Converting Colors

XYZ(35.6451, 34.3239, 4.7465)

Have a look what the booklet for
XYZ(35.6451, 34.3239, 4.7465)
contains.

XYZ(35.6493, 34.3323, 4.7479)	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(35.6493, 34.3323,
4.7479)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9500
RGB	204, 149, 0
RGB Percent	80%, 58%, 0%
CMY	0.2000, 0.4157, 0.9999
CMYK	0.00, 0.27, 1.00, 0.20
HSL	44°, 100%, 40%
HSV	44°, 100%, 80%
XYZ	35.6493, 34.3323, 4.7479
YIQ	148.4590, 80.6090, -34.6790

Conversions

Conversions Part 2

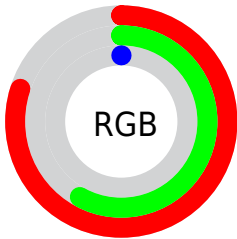
Format	Color
RYB	75, 204, 0
Decimal	13407488
CIELab	65.23, 10.48, 69.65
CIElCh	65, 70.432, 81.447
Yxy	34.3323, 0.4770, 0.4594
Android (android.graphics.Color)	4291597568 (0xFFCC9500)
YUV	148.4590, -73.1903, 48.7095
Hunter-Lab	58.5938, 6.0629, 36.2113

Details

The XYZ color **35.6493, 34.3323, 4.7479** 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 **12.2657, 7.0927, 57.8488**, and the grayscale version is **28.6149, 30.1051, 32.7845**.

A 20% lighter version of the original color is **63.8320, 64.4663, 15.5575**, and **15.9634, 14.8530, 2.0255** is the 20% darker color. If you saturate the color by 10%, you get **35.6494, 34.3329, 4.7480**, and if you desaturate by 10%, it is **36.6708, 36.1677, 5.7296**.

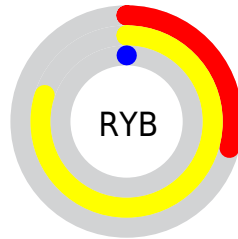
Distribution



Red (80%)

Green (58%)

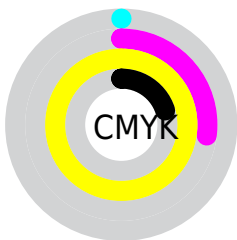
Blue (0%)



Red (29%)

Yellow (80%)

Blue (0%)

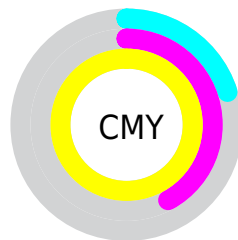


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6493, 34.3323, 4.7479 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 35.6493, 34.3323, 4.7479 by changing the saturation by 10% instead.


 35.6493, 34.3323,
4.7479

 35.6493, 34.3323,
4.7479


318.8831,
321.6112, 156.2072


 24.3323, 23.1490,
2.0440


 67.8178, 66.4501,
15.7009


 15.7064, 14.7036,
0.5821


 89.4001, 88.1534,
24.7870


 9.4062, 8.6116,
0.0000


 115.1349,
114.1321, 36.8377

 5.0663, 4.4887,
0.0000

 145.3874,
144.7707, 52.2714

 2.3213, 1.9505,
0.0000

 180.5232,
180.4535, 71.5066

 0.8056, 0.5785,
0.0000

 220.9075,

 0.0000, 0.0000,

221.5649, 94.9620

0.0000

266.9057,
268.4894, 123.0560

35.6493, 34.3323,
4.7479

35.6493, 34.3323,
4.7479

35.6494, 34.3329,
4.7480

36.6708, 36.1677,
5.7296

37.8703, 38.1395,
7.4464

39.2961, 40.2693,
10.1467

40.9737, 42.5681,
13.9626

42.9249, 45.0456,
19.0060

■ 45.1689, 47.7102,
25.3751

■ 47.7228, 50.5695,
33.1580

■ 50.6023, 53.6307,
42.4351

■ 53.8221, 56.9003,
53.2810

Harmonies

Analogous

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



46.5089, 34.3323, 8.3479



35.6493, 34.3323, 4.7479



25.9477, 34.3323, 5.6253

Triad

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



35.6493, 34.3323, 4.7479



17.5197, 34.3323, 62.0293



50.5829, 34.3323, 84.7028

Complementary

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



35.6493, 34.3323, 4.7479



12.2657, 7.0927, 57.8488

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.



40.3753, 34.3323, 118.2858



35.6493, 34.3323, 4.7479



21.8325, 34.3323, 101.1117

Square

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



35.6493, 34.3323, 4.7479



16.7744, 34.3323, 29.6055



29.7896, 34.3323, 125.4929



56.2376, 34.3323, 46.4135

Rectangle

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



35.6493, 34.3323, 4.7479



21.2548, 34.3323, 9.0401



29.7896, 34.3323, 125.4929



47.4805, 34.3323, 97.5989

Sweetspot

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



35.6501, 34.3340, 4.7486



78.8562, 83.5545, 54.3546



25.6606, 13.1411, 5.1616



16.4799, 17.4438, 10.4015



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.



35.6501, 34.3340, 4.7486



58.8524, 56.4847, 7.8008



36.0505, 50.6386, 7.8746



11.8881, 12.5651, 11.8782



22.5188, 21.7705, 3.0153



1.2224, 1.2444, 0.1758

Inverse Universe

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



12.2657, 7.0927, 57.8488



20.1626, 11.4451, 95.7542



11.9469, 4.9000, 57.4424



10.8437, 11.3279, 14.1853



7.7864, 4.5968, 36.4332



0.4658, 0.3654, 1.9009

Previews

White Background



This preview shows how the XYZ color 35.6493, 34.3323, 4.7479 looks on a white background.

Color Contrast Check

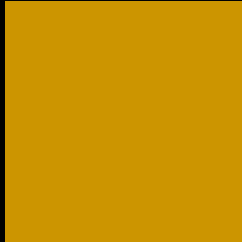
Large Text (above 18pt) WCAG AA × Fail

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 35.6493, 34.3323, 4.7479 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 35.6493, 34.3323, 4.7479

Background



This preview shows how black text looks on a background with the XYZ color 35.6493, 34.3323, 4.7479.



This preview shows how white text looks on a background with the XYZ color 35.6493, 34.3323,

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

35.6493, 34.3323, 4.7479

Protanopia

31.0549, 34.4065, 5.3522

Deuteranopia

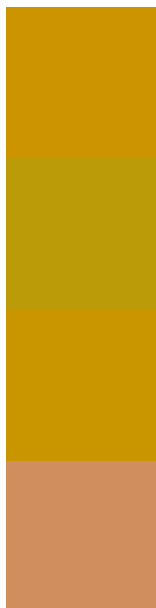
34.9937, 34.2302, 4.7627



Tritanopia

41.3773, 34.1958, 32.8534

Trichromacy



Original Color

35.6493, 34.3323, 4.7479

Protanomaly

32.5042, 34.1516, 5.1085

Deuteranomaly

35.2635, 34.3692, 4.7753

Tritanomaly

37.7510, 33.5821, 15.3188

Monochromacy



Original Color

35.6493, 34.3323, 4.7479

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.7587, 30.3128, 14.9249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6493, 34.3323, 4.7479 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(204, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 149, 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(204, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.6493, 34.3323, 4.7479 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(204, 149, 0) }
```


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

```
.border{ border-color:rgb(204, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6493, 34.3323, 4.7479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 149, 0) }
```

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

```
.background{ background-color: rgb(204,  
149, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor