

# Converting Colors

XYZ(39.3163, 36.2716, 4.3399)

Have a look what the booklet for  
XYZ(39.3163, 36.2716, 4.3399)  
contains.

<b>XYZ(39.3627, 36.2466, 4.9217)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.3627, 36.2466,  
4.9217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D99500
RGB	217, 149, 0
RGB Percent	85%, 58%, 0%
CMY	0.1490, 0.4157, 0.9999
CMYK	0.00, 0.31, 1.00, 0.15
HSL	41°, 100%, 43%
HSV	41°, 100%, 85%
XYZ	39.3627, 36.2466, 4.9217
YIQ	152.3460, 88.3570, -31.9230

# Conversions

## Conversions Part 2

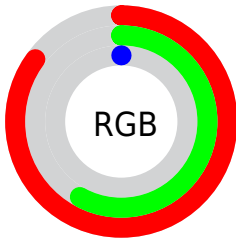
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">99, 217, 0</a>
Decimal	<a href="#">14259456</a>
CIELab	<a href="#">66.71, 16.19, 71.36</a>
CIElCh	<a href="#">67, 73.170, 77.213</a>
Yxy	<a href="#">36.2466, 0.4888, 0.4501</a>
Android (android.graphics.Color)	<a href="#">4292449536</a> ( <a href="#">0xFFD99500</a> )
YUV	<a href="#">152.3460, -75.1066, 56.7016</a>
Hunter-Lab	<a href="#">60.2051, 11.3460, 37.2967</a>

# Details

The XYZ color **39.3627, 36.2466, 4.9217** 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 **14.5920, 9.1449, 66.6411**, and the grayscale version is **30.2844, 31.8615, 34.6972**.

A 20% lighter version of the original color is **63.8320, 64.4663, 15.5575**, and **18.0780, 15.8033, 2.0975** is the 20% darker color. If you saturate the color by 10%, you get **39.3627, 36.2470, 4.9217**, and if you desaturate by 10%, it is **40.6130, 38.5202, 6.0393**.

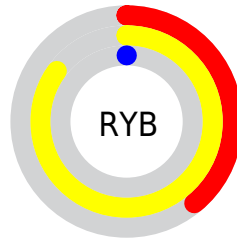
# Distribution



Red (85%)

Green (58%)

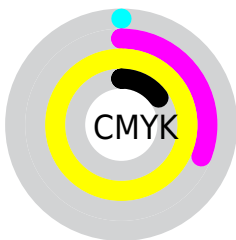
Blue (0%)



Red (39%)

Yellow (85%)

Blue (0%)

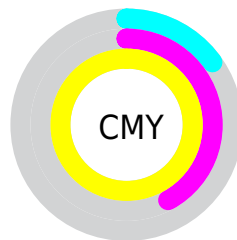


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (42%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3627, 36.2466, 4.9217 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 39.3627, 36.2466, 4.9217 by changing the saturation by 10% instead.





 39.3627, 36.2466,  
4.9217


 39.3627, 36.2466,  
4.9217


334.6108,  
330.0371, 157.9770


 27.2240, 24.6247,  
2.1435


 73.4826, 69.4125,  
16.0851


 17.8790, 15.7977,  
0.6415


 96.1945, 91.7253,  
25.3074


 10.9623, 9.3811,  
0.0000


 123.1615,  
118.3706, 37.5148

 6.1086, 4.9906,  
0.0000

 154.7490,  
149.7327, 53.1258

 2.9525, 2.2417,  
0.0000

 191.3223,  
186.1959, 72.5590


 1.1287, 0.7426,  
0.0000

 233.2468,


 0.0489, 0.0000,


228.1449, 96.2329


0.0000


 280.8878,  
275.9638, 124.5661


 0.0000, 0.0000,  
0.0000


 39.3627, 36.2466,  
4.9217


 39.3627, 36.2466,  
4.9217


 39.3627, 36.2470,  
4.9217

 40.6130, 38.5202,  
6.0393

 42.0860, 40.9836,  
8.0180

 43.8360, 43.6616,  
11.1355

 45.8933, 46.5678,  
15.5467

 48.2837, 49.7142,  
21.3821

■ 51.0298, 53.1114,  
28.7563

■ 54.1520, 56.7688,  
37.7721

■ 57.6688, 60.6955,  
48.5231

■ 61.5978, 64.8998,  
61.0961

# Harmonies

## Analogous

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



50.9630, 36.2466, 9.5629



39.3627, 36.2466, 4.9217



28.5473, 36.2466, 5.2311

# Triad

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



39.3627, 36.2466, 4.9217



17.9014, 36.2466, 60.3131



52.4820, 36.2466, 96.7885

# Complementary

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



39.3627, 36.2466, 4.9217



14.5920, 9.1449, 66.6411

# 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.



41.1179, 36.2466, 130.5880



39.3627, 36.2466, 4.9217



21.9575, 36.2466, 102.9491

# Square

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



39.3627, 36.2466, 4.9217



17.6287, 36.2466, 27.4897



29.9664, 36.2466, 133.3035



59.5552, 36.2466, 54.4970



# Rectangle

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



39.3627, 36.2466, 4.9217



23.1486, 36.2466, 8.1617



29.9664, 36.2466, 133.3035



48.9390, 36.2466, 110.3133

# Sweetspot

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



39.3635, 36.2484, 4.9224



77.9101, 81.6622, 54.0393



29.6809, 15.1782, 6.9511



16.2531, 16.9900, 10.3258



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.



39.3635, 36.2484, 4.9224



56.5884, 51.9569, 7.0461



42.9940, 58.9981, 9.1222



13.8002, 14.5397, 13.8047



23.9267, 22.1389, 3.0122



1.6258, 1.5857, 0.2204



# Inverse Universe

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



14.5920, 9.1449, 66.6411



20.9117, 12.9434, 96.0039



13.3915, 5.4570, 65.9925



12.6700, 13.2796, 16.5476



8.9164, 5.7023, 40.3691



0.6534, 0.5209, 2.6406



# Previews

## White Background



This preview shows how the XYZ color 39.3627, 36.2466, 4.9217 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 39.3627, 36.2466, 4.9217 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 39.3627, 36.2466, 4.9217**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3627, 36.2466, 4.9217.



This preview shows how white text looks on a background with the XYZ color 39.3627, 36.2466,



# 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

39.3627, 36.2466, 4.9217

### Protanopia

32.9436, 36.4164, 5.7082

### Deuteranopia

37.0092, 36.2330, 5.0431



## Tritanopia

44.9447, 36.0349, 33.0203

# Trichromacy



## Original Color

39.3627, 36.2466, 4.9217

## Protanomaly

35.0411, 36.2092, 5.4007

## Deuteranomaly

37.8066, 36.1581, 4.9866

## Tritanomaly

41.5574, 35.5444, 15.4969

# Monochromacy



## Original Color

39.3627, 36.2466, 4.9217

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

31.1288, 32.2264, 15.8889

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3627, 36.2466, 4.9217 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(217, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 149, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3627, 36.2466, 4.9217 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(217, 149, 0) }
```



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

```
.border{ border-color:rgb(217, 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(217, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 149,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3627, 36.2466, 4.9217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 149, 0) }
```

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

```
.background{ background-color: rgb(217,  
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