

Converting Colors

XYZ(38.9328, 39.2506, 5.5241)

Have a look what the booklet for
XYZ(38.9328, 39.2506, 5.5241)
contains.

XYZ(38.9328, 39.2506, 5.5241)	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(38.9328, 39.2506,
5.5241)**

Conversions

Conversions Part 1

Format	Color
Hex	D0A200
RGB	208, 162, 0
RGB Percent	82%, 64%, 0%
CMY	0.1843, 0.3647, 0.9999
CMYK	0.00, 0.22, 1.00, 0.18
HSL	47°, 100%, 41%
HSV	47°, 100%, 82%
XYZ	38.9328, 39.2506, 5.5241
YIQ	157.2860, 79.4180, -40.6300

Conversions

Conversions Part 2

Format	Color
R _Y B	59, 208, 0
Decimal	13672960
CIE Lab	68.93, 5.24, 72.40
CIE LCh	69, 72.585, 85.857
Yxy	39.2506, 0.4651, 0.4689
Android (android.graphics.Color)	4291863040 (0xFFD0A200)
YUV	157.2860, -77.5420, 44.4762
Hunter-Lab	62.6503, 1.2873, 38.6274

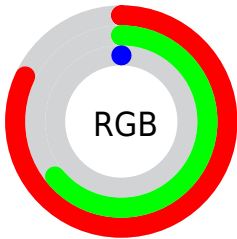
Details

The XYZ color **38.9328, 39.2506, 5.5241** 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 **12.3625, 6.5087, 60.2788**, and the grayscale version is **32.4920, 34.1842, 37.2265**.

A 20% lighter version of the original color is **67.1354, 70.9076, 17.1693**, and **17.8972, 17.6648, 2.4664** is the 20% darker color. If you saturate the color by 10%, you get **38.9331, 39.2515, 5.5243**, and if you desaturate by 10%, it is **39.8924, 40.9563, 6.5032**.

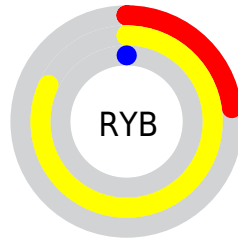
Distribution



Red (82%)

Green (64%)

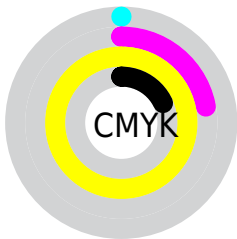
Blue (0%)



Red (23%)

Yellow (82%)

Blue (0%)

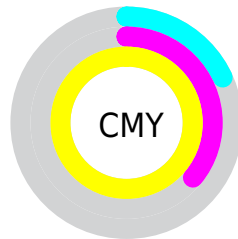


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9328, 39.2506, 5.5241 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 38.9328, 39.2506, 5.5241 by changing the saturation by 10% instead.

38.9328, 39.2506,
5.5241

38.9328, 39.2506,
5.5241

332.8168,
342.9548, 163.9011

26.8879, 26.9547,
2.4939

72.8304, 74.0210,
17.3951

17.6252, 17.5392,
0.8369

95.4138, 97.2643,
27.0730

10.7793, 10.6197,
0.0000

122.2408,
124.9256, 39.8038

5.9848, 5.8117,
0.0000

153.6767,
157.3892, 56.0061

2.8764, 2.7309,
0.0000

190.0869,
195.0395, 76.0985

1.0888, 0.9929,
0.0000

231.8368,

0.0157, 0.0000,

238.2609, 100.4994

0.0000

279.2916,
287.4379, 129.6274

0.0000, 0.0000,
0.0000

38.9328, 39.2506,
5.5241

38.9328, 39.2506,
5.5241

38.9331, 39.2515,
5.5243

39.8924, 40.9563,
6.5032

41.0250, 42.7776,
8.2490

42.3802, 44.7363,
11.0184

43.9849, 46.8437,
14.9503

45.8614, 49.1092,
20.1621

■ 48.0297, 51.5412,
26.7565

■ 50.5076, 54.1473,
34.8260

■ 53.3113, 56.9344,
44.4550

■ 56.4559, 59.9091,
55.7214

Harmonies

Analogous

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



51.1987, 39.2506, 8.7664



38.9328, 39.2506, 5.5241



28.4414, 39.2506, 7.2644

Triad

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



38.9328, 39.2506, 5.5241



20.6885, 39.2506, 76.8776



58.8510, 39.2506, 89.2504

Complementary

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



38.9328, 39.2506, 5.5241



12.3625, 6.5087, 60.2788

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.



47.8454, 39.2506, 129.2299



38.9328, 39.2506, 5.5241



26.1864, 39.2506, 119.8646

Square

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



38.9328, 39.2506, 5.5241



19.2622, 39.2506, 38.3082



35.7262, 39.2506, 142.6249



64.1045, 39.2506, 47.4951

Rectangle

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



38.9328, 39.2506, 5.5241



23.5407, 39.2506, 11.9976



35.7262, 39.2506, 142.6249



55.6037, 39.2506, 104.0364

Sweetspot

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



38.9337, 39.2525, 5.5249



79.9249, 85.6919, 54.7109



26.5572, 13.6280, 4.0862



16.7370, 17.9579, 10.4872



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.



38.9337, 39.2525, 5.5249



61.5738, 61.9275, 8.7079



35.6053, 51.8388, 8.1297



12.5724, 13.3355, 12.5234



24.3398, 24.6126, 3.4679



1.4170, 1.4884, 0.2126

Inverse Universe

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



12.3625, 6.5087, 60.2788



19.4832, 10.0863, 95.5277



12.9870, 5.3801, 60.0281



11.3727, 11.8356, 14.9288



7.7642, 4.1751, 37.5891



0.4947, 0.3546, 2.1219

Previews

White Background



This preview shows how the XYZ color 38.9328, 39.2506, 5.5241 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 38.9328, 39.2506, 5.5241 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 38.9328, 39.2506, 5.5241

Background



This preview shows how black text looks on a background with the XYZ color 38.9328, 39.2506, 5.5241.



This preview shows how white text looks on a background with the XYZ color 38.9328, 39.2506,

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

38.9328, 39.2506, 5.5241

Protanopia

35.4780, 39.3450, 6.0116

Deuteranopia

40.0718, 39.3119, 5.7926



Tritanopia

45.9071, 39.3408, 39.3564

Trichromacy



Original Color

38.9328, 39.2506, 5.5241

Protanomaly

36.6950, 39.1559, 5.7961

Deuteranomaly

39.6472, 39.3540, 5.7075

Tritanomaly

41.6101, 38.5681, 18.0833

Monochromacy



Original Color

38.9328, 39.2506, 5.5241

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.6029, 34.9465, 17.0836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9328, 39.2506, 5.5241 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(208, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 162, 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(208, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 162, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.9328, 39.2506, 5.5241 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(208, 162, 0) }
```


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

```
.border{ border-color:rgb(208, 162, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 162, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 162,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9328, 39.2506, 5.5241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 162, 0) }
```

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

```
.background{ background-color: rgb(208,  
162, 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