

Converting Colors

XYZ(36.8999, 32.9588, 4.0988)

Have a look what the booklet for
XYZ(36.8999, 32.9588, 4.0988)
contains.

XYZ(36.8187, 32.9023, 4.4102)	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(36.8187, 32.9023,
4.4102)**

Conversions

Conversions Part 1

Format	Color
Hex	D58C00
RGB	213, 140, 0
RGB Percent	84%, 55%, 0%
CMY	0.1647, 0.4510, 1.0000
CMYK	0.00, 0.34, 1.00, 0.16
HSL	39°, 100%, 42%
HSV	39°, 100%, 84%
XYZ	36.8187, 32.9023, 4.4102
YIQ	145.8670, 88.4480, -28.0640

Conversions

Conversions Part 2

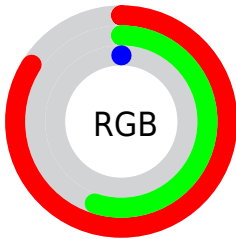
Format	Color
RYB	111, 213, 0
Decimal	13995008
CIELab	64.08, 19.31, 69.39
CIElCh	64, 72.022, 74.452
Yxy	32.9023, 0.4967, 0.4438
Android (android.graphics.Color)	4292185088 (0xFFD58C00)
YUV	145.8670, -71.9124, 58.8756
Hunter-Lab	57.3605, 14.1950, 35.5938

Details

The XYZ color **36.8187, 32.9023, 4.4102** 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 **14.3931, 9.5697, 64.0390**, and the grayscale version is **27.5284, 28.9621, 31.5397**.

A 20% lighter version of the original color is **61.7344, 60.3246, 14.6934**, and **16.6051, 13.9877, 1.8247** is the 20% darker color. If you saturate the color by 10%, you get **36.8189, 32.9029, 4.4103**, and if you desaturate by 10%, it is **38.0600, 35.1640, 5.5060**.

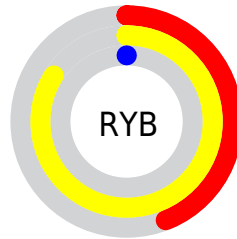
Distribution



Red (84%)

Green (55%)

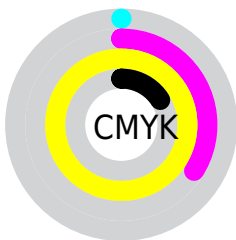
Blue (0%)



Red (44%)

Yellow (84%)

Blue (0%)

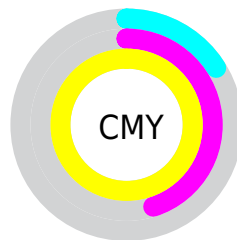


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8187, 32.9023, 4.4102 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 36.8187, 32.9023, 4.4102 by changing the saturation by 10% instead.


 36.8187, 32.9023,
4.4102


 36.8187, 32.9023,
4.4102


323.8941,
315.2093, 152.6811


 25.2402, 22.0516,
1.8530


 69.6095, 64.2230,
14.9453


 16.3858, 13.8948,
0.4626


 91.5525, 85.4617,
23.7602

 9.8901, 8.0476,
0.0000


 117.6810,
110.9320, 35.4981

 5.3879, 4.1254,
0.0000

 148.3604,
141.0181, 50.5775

 2.5137, 1.7440,
0.0000

 183.9561,
176.1045, 69.4170


 0.9022, 0.4519,
0.0000


 224.8334,


 0.0000, 0.0000,


216.5756, 92.4350


0.0000


 271.3576,
262.8157, 120.0502


 36.8187, 32.9023,
4.4102


 36.8187, 32.9023,
4.4102


 36.8189, 32.9029,
4.4103

 38.0600, 35.1640,
5.5060

 39.5251, 37.6292,
7.4281

 41.2669, 40.3224,
10.4451

 43.3146, 43.2575,
14.7048

 45.6930, 46.4462,
20.3319

■ 48.4240, 49.8992,
27.4359

■ 51.5275, 53.6264,
36.1150

■ 55.0214, 57.6368,
46.4589

■ 58.9227, 61.9389,
58.5506

Harmonies

Analogous

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



47.4309, 32.9023, 9.1598



36.8187, 32.9023, 4.4102



26.6373, 32.9023, 4.3419

Triad

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



36.8187, 32.9023, 4.4102



15.8888, 32.9023, 51.7167



47.0821, 32.9023, 92.5956

Complementary

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



36.8187, 32.9023, 4.4102



14.3931, 9.5697, 64.0390

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.



36.4168, 32.9023, 122.1528



36.8187, 32.9023, 4.4102



19.2770, 32.9023, 91.1744

Square

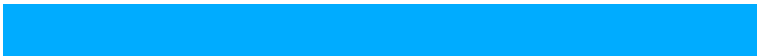
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.8187, 32.9023, 4.4102



15.9506, 32.9023, 22.8009



26.3135, 32.9023, 121.5249



54.1766, 32.9023, 53.0514

Rectangle

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



36.8187, 32.9023, 4.4102



21.4544, 32.9023, 6.6298



26.3135, 32.9023, 121.5249



43.7052, 32.9023, 104.7898

Sweetspot

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



36.8194, 32.9040, 4.4108



77.2854, 80.4129, 53.8310



28.6954, 14.6482, 7.8923



16.1036, 16.6912, 10.2760



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.



36.8194, 32.9040, 4.4108



55.1706, 49.1211, 6.5735



42.8622, 57.4182, 8.8240



13.0979, 13.7699, 13.1282



22.5890, 20.2953, 2.7268



1.4381, 1.3753, 0.1897

Inverse Universe

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



14.3931, 9.5697, 64.0390



21.4899, 14.0999, 96.1966



12.6047, 5.1107, 63.2725



12.0871, 12.6976, 15.7513



8.8774, 6.0166, 39.1466



0.6113, 0.5146, 2.3864

Previews

White Background



This preview shows how the XYZ color 36.8187, 32.9023, 4.4102 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 36.8187, 32.9023, 4.4102 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 36.8187, 32.9023, 4.4102

Background



This preview shows how black text looks on a background with the XYZ color 36.8187, 32.9023, 4.4102.



This preview shows how white text looks on a background with the XYZ color 36.8187, 32.9023,

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

36.8187, 32.9023, 4.4102

Protanopia

29.8792, 33.0415, 5.2548

Deuteranopia

33.6159, 33.0501, 4.6076



Tritanopia

41.9297, 32.9188, 28.9550

Trichromacy



Original Color

36.8187, 32.9023, 4.4102

Protanomaly

31.9474, 32.6534, 4.9061

Deuteranomaly

34.7540, 32.9473, 4.5277

Tritanomaly

38.9435, 32.5232, 13.6762

Monochromacy



Original Color

36.8187, 32.9023, 4.4102

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.5266, 29.2829, 14.5046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8187, 32.9023, 4.4102 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(213, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 140, 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(213, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.8187, 32.9023, 4.4102 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(213, 140, 0) }
```


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

```
.border{ border-color:rgb(213, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 140,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8187, 32.9023, 4.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 140, 0) }
```

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

```
.background{ background-color: rgb(213,  
140, 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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