

Converting Colors

XYZ(37.6916, 35.4060, 3.2650)

Have a look what the booklet for
XYZ(37.6916, 35.4060, 3.2650)
contains.

XYZ(37.8988, 35.4919, 4.8531)	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(37.8988, 35.4919,
4.8531)**

Conversions

Conversions Part 1

Format	Color
Hex	D49500
RGB	212, 149, 0
RGB Percent	83%, 58%, 0%
CMY	0.1686, 0.4157, 1.0000
CMYK	0.00, 0.30, 1.00, 0.17
HSL	42°, 100%, 42%
HSV	42°, 100%, 83%
XYZ	37.8988, 35.4919, 4.8531
YIQ	150.8510, 85.3770, -32.9830

Conversions

Conversions Part 2

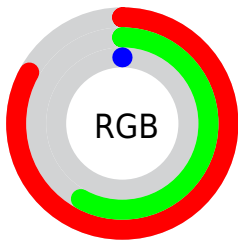
Format	Color
RYB	90, 212, 0
Decimal	13931776
CIELab	66.13, 14.01, 70.69
CIELCh	66, 72.066, 78.792
Yxy	35.4919, 0.4844, 0.4536
Android (android.graphics.Color)	4292121856 (0xFFD49500)
YUV	150.8510, -74.3695, 53.6277
Hunter-Lab	59.5751, 9.2967, 36.8727

Details

The XYZ color **37.8988, 35.4919, 4.8531** 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 **13.6615, 8.3090, 63.1706**, and the grayscale version is **29.6356, 31.1789, 33.9539**.

A 20% lighter version of the original color is **63.8320, 64.4663, 15.5575**, and **17.4107, 15.5991, 2.0933** is the 20% darker color. If you saturate the color by 10%, you get **37.8990, 35.4926, 4.8533**, and if you desaturate by 10%, it is **39.0607, 37.5964, 5.9179**.

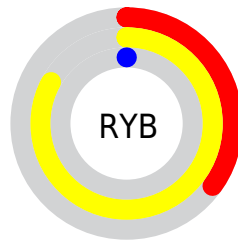
Distribution



Red (83%)

Green (58%)

Blue (0%)



Red (35%)

Yellow (83%)

Blue (0%)

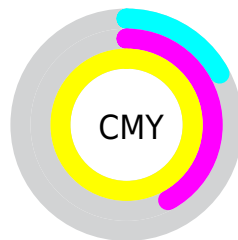


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8988, 35.4919, 4.8531 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 37.8988, 35.4919, 4.8531 by changing the saturation by 10% instead.


 37.8988, 35.4919,
4.8531


 37.8988, 35.4919,
4.8531


328.4740,
326.7343, 157.2819


 26.0810, 24.0420,
2.1041


 71.2579, 68.2471,
15.9338


 17.0173, 15.3648,
0.6182


 93.5299, 90.3212,
25.1027


 10.3422, 9.0758,
0.0000


 120.0174,
116.7056, 37.2485

 5.6904, 4.7907,
0.0000

 151.0857,
147.7845, 52.7899

 2.6966, 2.1250,
0.0000

 187.1001,
183.9425, 72.1454

 0.9954, 0.6786,
0.0000

 228.4261,

 0.0000, 0.0000,

225.5638, 95.7335

0.0000

275.4289,
273.0329, 123.9729

37.8988, 35.4919,
4.8531

37.8988, 35.4919,
4.8531

37.8990, 35.4926,
4.8533

39.0607, 37.5964,
5.9179

40.4274, 39.8688,
7.7940

42.0506, 42.3328,
10.7474

43.9589, 45.0010,
14.9242

46.1765, 47.8842,
20.4475

■ 48.7244, 50.9922,
27.4252

■ 51.6219, 54.3338,
35.9544

■ 54.8864, 57.9172,
46.1237

■ 58.5341, 61.7499,
58.0148

Harmonies

Analogous

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



49.2079, 35.4919, 9.0823



37.8988, 35.4919, 4.8531



27.5230, 35.4919, 5.3775

Triad

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



37.8988, 35.4919, 4.8531



17.7476, 35.4919, 60.9380



51.7283, 35.4919, 92.0035

Complementary

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



37.8988, 35.4919, 4.8531



13.6615, 8.3090, 63.1706

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.



40.8154, 35.4919, 125.7355



37.8988, 35.4919, 4.8531



21.9005, 35.4919, 102.1985

Square

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



37.8988, 35.4919, 4.8531



17.2919, 35.4919, 28.2737



29.8860, 35.4919, 130.2234



58.2471, 35.4919, 51.2844

Rectangle

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



37.8988, 35.4919, 4.8531



22.4031, 35.4919, 8.4870



29.8860, 35.4919, 130.2234



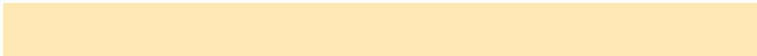
48.3572, 35.4919, 105.2862

Sweetspot

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



37.8996, 35.4937, 4.8538



78.2582, 82.3585, 54.1553



28.0656, 14.3629, 6.0853



16.3365, 17.1568, 10.3536



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.



37.8996, 35.4937, 4.8538



57.4053, 53.5906, 7.3184



40.0349, 55.5883, 8.6199



13.1468, 13.8678, 13.1445



23.4881, 22.0935, 3.0265



1.4872, 1.4736, 0.2061

Inverse Universe

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



13.6615, 8.3090, 63.1706



20.6189, 12.3579, 95.9063



12.8553, 5.2546, 62.6235



12.0404, 12.6042, 15.7358



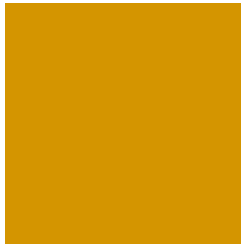
8.5102, 5.2821, 39.0242



0.5849, 0.4618, 2.3776

Previews

White Background



This preview shows how the XYZ color 37.8988, 35.4919, 4.8531 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 37.8988, 35.4919, 4.8531 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 37.8988, 35.4919, 4.8531

Background



This preview shows how black text looks on a background with the XYZ color 37.8988, 35.4919, 4.8531.



This preview shows how white text looks on a background with the XYZ color 37.8988, 35.4919,

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

37.8988, 35.4919, 4.8531

Protanopia

32.2844, 35.8148, 5.5921

Deuteranopia

36.2931, 35.6198, 4.9625



Tritanopia

43.7267, 35.4070, 32.9633

Trichromacy



Original Color

37.8988, 35.4919, 4.8531

Protanomaly

34.0931, 35.4689, 5.2790

Deuteranomaly

36.9604, 35.7219, 4.9470

Tritanomaly

40.0575, 34.7712, 15.4267

Monochromacy



Original Color

37.8988, 35.4919, 4.8531

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.2512, 31.5415, 15.5600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8988, 35.4919, 4.8531 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(212, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.8988, 35.4919, 4.8531 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(212, 149, 0) }
```


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

```
.border{ border-color:rgb(212, 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(212, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8988, 35.4919, 4.8531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 149, 0) }
```

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

```
.background{ background-color: rgb(212,  
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](#).

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