

Converting Colors

XYZ(36.5397, 36.9527, 10.2881)

Have a look what the booklet for
XYZ(36.5397, 36.9527, 10.2881)
contains.

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Color

**XYZ(36.4989, 36.8528,
10.3439)**

Conversions

Conversions Part 1

Format	Color
Hex	C69E42
RGB	198, 158, 66
RGB Percent	78%, 62%, 26%
CMY	0.2235, 0.3804, 0.7412
CMYK	0.00, 0.20, 0.67, 0.22
HSL	42°, 54%, 52%
HSV	42°, 67%, 78%
XYZ	36.4989, 36.8528, 10.3439
YIQ	159.4720, 53.3720, -20.1320

Conversions

Conversions Part 2

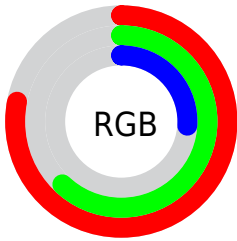
Format	Color
RYB	123, 198, 66
Decimal	13016642
CIELab	67.17, 4.95, 52.13
CIElCh	67, 52.367, 84.575
Yxy	36.8528, 0.4361, 0.4403
Android (android.graphics.Color)	4291206722 (0xFFC69E42)
YUV	159.4720, -46.0817, 33.7891
Hunter-Lab	60.7065, 1.0841, 32.3920

Details

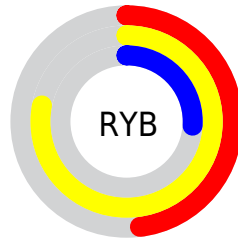
The XYZ color **36.4989, 36.8528, 10.3439** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **17.5937, 15.5430, 55.4985**, and the grayscale version is **33.3594, 35.0967, 38.2203**.

A 20% lighter version of the original color is **68.0535, 69.6550, 26.9975**, and **16.2860, 16.1956, 2.4974** is the 20% darker color. If you saturate the color by 10%, you get **35.0149, 34.6630, 7.4509**, and if you desaturate by 10%, it is **38.2366, 39.2269, 14.3188**.

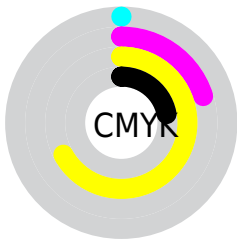
Distribution



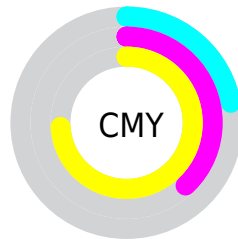
- Red (78%)
- Green (62%)
- Blue (26%)



- Red (48%)
- Yellow (78%)
- Blue (26%)



- Cyan (0%)
- Magenta (20%)
- Yellow (67%)
- Black (22%)





- Cyan (22%)
- Magenta (38%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4989, 36.8528, 10.3439 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 36.4989, 36.8528, 10.3439 by changing the saturation by 10% instead.


 36.4989, 36.8528,
10.3439


 36.4989, 36.8528,
10.3439

322.5293,
332.6728, 203.6824


 24.9916, 25.0935,
5.5190


 69.1203, 70.3463,
27.0582


 16.1995, 16.1468,
2.4909

 90.9651, 92.8494,
39.7847


 9.7572, 9.6281,
0.8353


 116.9865,
119.7025, 55.9822

 5.2993, 5.1531,
0.0000

 147.5498,
151.2901, 76.0691

 2.4605, 2.3373,
0.0000

 183.0203,
187.9965, 100.4640

 0.8754, 0.7934,
0.0000

223.7635,

 0.0000, 0.0000,

230.2062, 129.5855

0.0000

270.1447,
278.3035, 163.8522

■ 36.4989, 36.8528,
10.3439

■ 36.4989, 36.8528,
10.3439

■ 35.0149, 34.6630,
7.4509

■ 38.2366, 39.2269,
14.3188

■ 33.7595, 32.6419,
5.5223

■ 40.2449, 41.7889,
19.4726

■ 32.7039, 30.7785,
4.4068

■ 42.5419, 44.5485,
25.8938

■ 32.3780, 30.1846,
4.1197

■ 45.1434, 47.5131,
33.6617

■ 48.0639, 50.6895,
42.8494

■ 51.3166, 54.0841,
53.5244

■ 54.9143, 57.7029,
65.7499

■ 58.8689, 61.5517,
79.5855

■ 63.1916, 65.6359,
95.0876

Harmonies

Analogous

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



44.7000, 36.8528, 13.9056



36.4989, 36.8528, 10.3439



29.0234, 36.8528, 11.9541

Triad

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



36.4989, 36.8528, 10.3439



22.8398, 36.8528, 61.3276



49.0845, 36.8528, 71.3840

Complementary

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



36.4989, 36.8528, 10.3439



17.5937, 15.5430, 55.4985

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.



41.8073, 36.8528, 94.8559



36.4989, 36.8528, 10.3439



26.8618, 36.8528, 87.6697

Square

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



36.4989, 36.8528, 10.3439



21.8603, 36.8528, 36.1119



33.5961, 36.8528, 101.7330



52.6395, 36.8528, 44.4280

Rectangle

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



36.4989, 36.8528, 10.3439



25.3206, 36.8528, 16.2505



33.5961, 36.8528, 101.7330



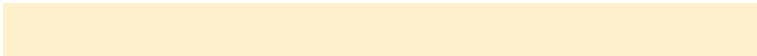
46.9436, 36.8528, 80.2961

Sweetspot

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



36.4998, 36.8546, 10.3446



83.1661, 87.6736, 69.6661



27.9332, 16.9810, 15.9375



17.4854, 18.4224, 13.9191



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.



36.4998, 36.8546, 10.3446



60.9494, 59.7227, 11.4472



38.5884, 49.7570, 12.7250



11.2422, 11.8535, 11.2582



21.1346, 19.7863, 2.7052



1.0623, 1.0600, 0.1486

Inverse Universe

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



17.5937, 15.5430, 55.4985



25.2993, 19.6919, 97.0752



16.3775, 10.1578, 54.5232



10.3144, 10.8028, 13.4590



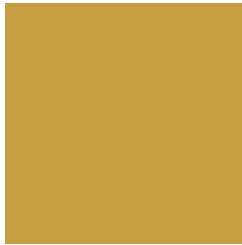
7.7460, 4.8859, 35.2792



0.4315, 0.3607, 1.6920

Previews

White Background



This preview shows how the XYZ color 36.4989, 36.8528, 10.3439 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 36.4989, 36.8528, 10.3439 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 36.4989, 36.8528, 10.3439

Background



This preview shows how black text looks on a background with the XYZ color 36.4989, 36.8528, 10.3439.



This preview shows how white text looks on a background with the XYZ color 36.4989, 36.8528,

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

36.4989, 36.8528, 10.3439

Protanopia

33.6103, 36.9134, 10.8224

Deuteranopia

37.8034, 37.0196, 10.4632



Tritanopia

42.1119, 36.6970, 38.1214

Trichromacy



Original Color

36.4989, 36.8528, 10.3439

Protanomaly

34.6725, 36.9373, 10.6124

Deuteranomaly

37.4272, 37.0757, 10.4939

Tritanomaly

39.3513, 36.5194, 24.7136

Monochromacy



Original Color

36.4989, 36.8528, 10.3439

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.3334, 35.1612, 24.4320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4989, 36.8528, 10.3439 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(198, 158, 66)` looks like.

```
.text, #text, p{  
    color:rgb(198, 158, 66)  
}
```

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(198, 158, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 158, 66) }
```

Border

The CSS property to change the border of an element to XYZ 36.4989, 36.8528, 10.3439 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(198, 158, 66) }
```


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

```
.border{ border-color:rgb(198, 158, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 158, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 158, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 158, 66);  
box-shadow:4px 4px 4px 4px rgb(198, 158,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4989, 36.8528, 10.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 158, 66) }
```

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

```
.background{ background-color: rgb(198,  
158, 66) }
```

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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