

Converting Colors

XYZ(36.2275, 35.4886, 4.9406)

Have a look what the booklet for
XYZ(36.2275, 35.4886, 4.9406)
contains.

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Color

**XYZ(36.2931, 35.6198,
4.9625)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9900
RGB	204, 153, 0
RGB Percent	80%, 60%, 0%
CMY	0.2000, 0.4000, 0.9999
CMYK	0.00, 0.25, 1.00, 0.20
HSL	45°, 100%, 40%
HSV	45°, 100%, 80%
XYZ	36.2931, 35.6198, 4.9625
YIQ	150.8070, 79.5090, -36.7710

Conversions

Conversions Part 2

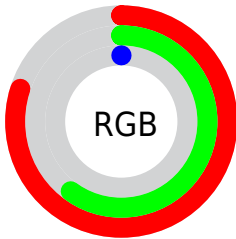
Format	Color
RYB	68, 204, 0
Decimal	13408512
CIELab	66.23, 8.31, 70.33
CIElCh	66, 70.822, 83.262
Yxy	35.6198, 0.4721, 0.4633
Android (android.graphics.Color)	4291598592 (0xFFCC9900)
YUV	150.8070, -74.3479, 46.6503
Hunter-Lab	59.6823, 4.1026, 36.8477

Details

The XYZ color **36.2931, 35.6198, 4.9625** is a dark color, and the websafe version is hex **CC9900**, and the color name is **chinese gold**. The color can be described as dark washed orange. A complement of this color would be **12.0834, 6.7281, 57.7882**, and the grayscale version is **29.6185, 31.1610, 33.9343**.

A 20% lighter version of the original color is **64.8228, 66.3936, 16.0553**, and **16.2530, 15.4320, 2.1221** is the 20% darker color. If you saturate the color by 10%, you get **36.2932, 35.6203, 4.9626**, and if you desaturate by 10%, it is **37.2765, 37.3789, 5.9315**.

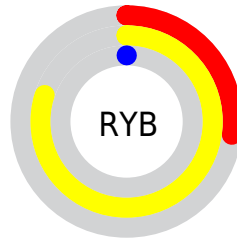
Distribution



Red (80%)

Green (60%)

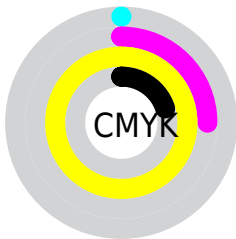
Blue (0%)



Red (27%)

Yellow (80%)

Blue (0%)

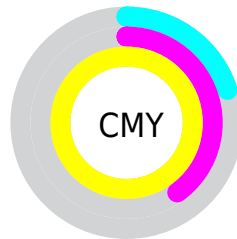


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2931, 35.6198, 4.9625 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 36.2931, 35.6198, 4.9625 by changing the saturation by 10% instead.


 36.2931, 35.6198,
4.9625


 36.2931, 35.6198,
4.9625


321.6488,
327.2957, 158.3883


 24.8318, 24.1407,
2.1669


 68.8051, 68.4448,
16.1749

 16.0799, 15.4380,
0.6552


 90.5866, 90.5596,
25.4288


 9.6719, 9.1274,
0.0000


 116.5388,
116.9883, 37.6726

 5.2425, 4.8244,
0.0000

 147.0271,
148.1154, 53.3248

 2.4265, 2.1446,
0.0000

 182.4169,
184.3253, 72.8039

 0.8583, 0.6895,
0.0000

 223.0736,

 0.0000, 0.0000,

226.0024, 96.5285

0.0000

269.3624,
273.5311, 124.9171

36.2931, 35.6198,
4.9625

36.2931, 35.6198,
4.9625

36.2932, 35.6203,
4.9626

37.2765, 37.3789,
5.9315

38.4323, 39.2633,
7.6339

39.8088, 41.2945,
10.3177

41.4313, 43.4832,
14.1154

43.3216, 45.8387,
19.1386

■ 45.4986, 48.3694,
25.4855

■ 47.9795, 51.0827,
33.2441

■ 50.7799, 53.9855,
42.4950

■ 53.9142, 57.0842,
53.3125

Harmonies

Analogous

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



47.5039, 35.6198, 8.3638



36.2931, 35.6198, 4.9625



26.4563, 35.6198, 6.1432

Triad

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



36.2931, 35.6198, 4.9625



18.4238, 35.6198, 66.5649



52.8627, 35.6198, 84.9741

Complementary

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



36.2931, 35.6198, 4.9625



12.0834, 6.7281, 57.7882

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.



42.5198, 35.6198, 120.4373



36.2931, 35.6198, 4.9625



23.1091, 35.6198, 106.4967

Square

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



36.2931, 35.6198, 4.9625



17.4358, 35.6198, 32.3560



31.5297, 35.6198, 129.8758



58.2742, 35.6198, 46.0113

Rectangle

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



36.2931, 35.6198, 4.9625



21.7646, 35.6198, 9.9877



31.5297, 35.6198, 129.8758



49.7559, 35.6198, 98.3758

Sweetspot

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



36.2939, 35.6216, 4.9632



79.2859, 84.4139, 54.4979



25.4996, 13.0767, 4.3133



16.5832, 17.6503, 10.4359



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.



36.2939, 35.6216, 4.9632



59.9260, 58.6319, 8.1587



34.7303, 49.9581, 7.8128



11.9071, 12.6032, 11.8845



22.9206, 22.5742, 3.1492



1.2403, 1.2803, 0.1818

Inverse Universe

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



12.0834, 6.7281, 57.7882



19.8692, 10.8584, 95.6564



12.2650, 5.0640, 57.4574



10.8258, 11.2921, 14.1794



7.6681, 4.3602, 36.3937



0.4577, 0.3491, 1.8982

Previews

White Background



This preview shows how the XYZ color 36.2931, 35.6198, 4.9625 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 36.2931, 35.6198, 4.9625 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 36.2931, 35.6198, 4.9625

Background



This preview shows how black text looks on a background with the XYZ color 36.2931, 35.6198, 4.9625.



This preview shows how white text looks on a background with the XYZ color 36.2931, 35.6198,

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

36.2931, 35.6198, 4.9625

Protanopia

32.2721, 35.8099, 5.5277

Deuteranopia

36.3040, 35.6242, 5.0202



Tritanopia

42.2867, 35.4948, 34.7594

Trichromacy



Original Color

36.2931, 35.6198, 4.9625

Protanomaly

33.6717, 35.7588, 5.3285

Deuteranomaly

36.2986, 35.6220, 4.9913

Tritanomaly

38.4490, 34.8307, 16.0058

Monochromacy



Original Color

36.2931, 35.6198, 4.9625

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.9171, 31.8470, 15.6366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2931, 35.6198, 4.9625 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(204, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 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(204, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.2931, 35.6198, 4.9625 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(204, 153, 0) }
```


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

```
.border{ border-color:rgb(204, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2931, 35.6198, 4.9625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 0) }
```

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

```
.background{ background-color: rgb(204,  
153, 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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