

Converting Colors

XYZ(36.4816, 36.0001, 5.0222)

Have a look what the booklet for
XYZ(36.4816, 36.0001, 5.0222)
contains.

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Color

**XYZ(36.4574, 35.9486,
5.0173)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9A00
RGB	204, 154, 0
RGB Percent	80%, 60%, 0%
CMY	0.2000, 0.3961, 0.9999
CMYK	0.00, 0.25, 1.00, 0.20
HSL	45°, 100%, 40%
HSV	45°, 100%, 80%
XYZ	36.4574, 35.9486, 5.0173
YIQ	151.3940, 79.2340, -37.2940

Conversions

Conversions Part 2

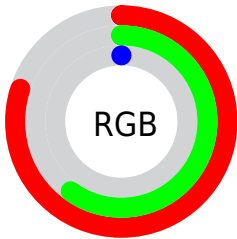
Format	Color
RYB	66, 204, 0
Decimal	13408768
CIELab	66.48, 7.77, 70.51
CIELCh	66, 70.932, 83.712
Yxy	35.9486, 0.4709, 0.4643
Android (android.graphics.Color)	4291598848 (0xFFCC9A00)
YUV	151.3940, -74.6372, 46.1355
Hunter-Lab	59.9572, 3.6133, 37.0085

Details

The XYZ color **36.4574, 35.9486, 5.0173** 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 **12.0401, 6.6416, 57.7734**, and the grayscale version is **29.8726, 31.4283, 34.2254**.

A 20% lighter version of the original color is **65.0659, 66.8798, 16.1364**, and **16.3518, 15.6298, 2.1550** is the 20% darker color. If you saturate the color by 10%, you get **36.4575, 35.9492, 5.0174**, and if you desaturate by 10%, it is **37.4306, 37.6874, 5.9829**.

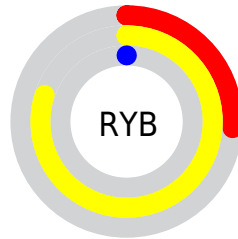
Distribution



Red (80%)

Green (60%)

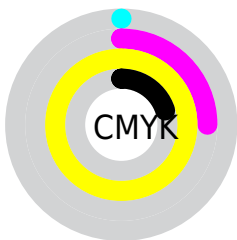
Blue (0%)



Red (26%)

Yellow (80%)

Blue (0%)

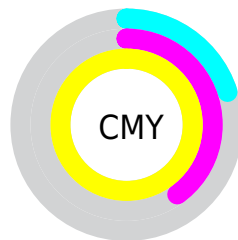


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4574, 35.9486, 5.0173 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 36.4574, 35.9486, 5.0173 by changing the saturation by 10% instead.

■ 36.4574, 35.9486,
5.0173

■ 36.4574, 35.9486,
5.0173

322.3518,
328.7358, 158.9383

■ 24.9594, 24.3945,
2.1985

■ 69.0567, 68.9527,
16.2952

■ 16.1754, 15.6265,
0.6735

■ 90.8888, 91.1715,
25.5915

■ 9.7400, 9.2603,
0.0000

■ 116.8962,
117.7140, 37.8839

■ 5.2878, 4.9113,
0.0000

■ 147.4444,
148.9646, 53.5911

■ 2.4536, 2.1953,
0.0000

■ 182.8987,
185.3077, 73.1316

■ 0.8719, 0.7174,
0.0000

■ 223.6245,

■ 0.0000, 0.0000,

227.1277, 96.9239

0.0000

269.9871,
274.8089, 125.3867

36.4574, 35.9486,
5.0173

36.4574, 35.9486,
5.0173

36.4575, 35.9492,
5.0174

37.4306, 37.6874,
5.9829

38.5750, 39.5488,
7.6815

39.9385, 41.5542,
10.3610

41.5468, 43.7144,
14.1539

43.4215, 46.0387,
19.1719

■ 45.5814, 48.5352,
25.5130

■ 48.0438, 51.2115,
33.2654

■ 50.8241, 54.0743,
42.5096

■ 53.9369, 57.1299,
53.3199

Harmonies

Analogous

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



47.7577, 35.9486, 8.3682



36.4574, 35.9486, 5.0173



26.5860, 35.9486, 6.2776

Triad

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



36.4574, 35.9486, 5.0173



18.6555, 35.9486, 67.7359



53.4461, 35.9486, 85.0476

Complementary

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



36.4574, 35.9486, 5.0173



12.0401, 6.6416, 57.7734

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.



43.0698, 35.9486, 120.9871



36.4574, 35.9486, 5.0173



23.4370, 35.9486, 107.8785

Square

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



36.4574, 35.9486, 5.0173



17.6047, 35.9486, 33.0707



31.9766, 35.9486, 130.9954



58.7943, 35.9486, 45.9140

Rectangle

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



36.4574, 35.9486, 5.0173



21.8945, 35.9486, 10.2349



31.9766, 35.9486, 130.9954



50.3386, 35.9486, 98.5771

Sweetspot

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



36.4582, 35.9504, 5.0180



79.3940, 84.6301, 54.5339



25.4995, 13.0767, 4.3133



16.6092, 17.7023, 10.4446



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.



36.4582, 35.9504, 5.0180



60.2004, 59.1809, 8.2501



34.7301, 49.9579, 7.8128



11.9119, 12.6127, 11.8861



23.0233, 22.7795, 3.1834



1.2449, 1.2895, 0.1833

Inverse Universe

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



12.0401, 6.6416, 57.7734



19.7997, 10.7195, 95.6332



12.2649, 5.0640, 57.4571



10.8214, 11.2832, 14.1779



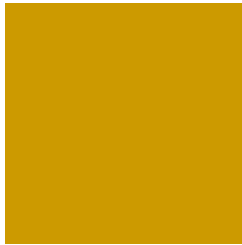
7.6400, 4.3039, 36.3843



0.4557, 0.3451, 1.8975

Previews

White Background



This preview shows how the XYZ color 36.4574, 35.9486, 5.0173 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 36.4574, 35.9486, 5.0173 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 36.4574, 35.9486, 5.0173

Background



This preview shows how black text looks on a background with the XYZ color 36.4574, 35.9486, 5.0173.



This preview shows how white text looks on a background with the XYZ color 36.4574, 35.9486,

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

36.4574, 35.9486, 5.0173

Protanopia

32.5092, 35.9321, 5.5388

Deuteranopia

36.7598, 36.1013, 5.1744



Tritanopia

42.5192, 35.8269, 35.2461

Trichromacy



Original Color

36.4574, 35.9486, 5.0173

Protanomaly

33.9223, 35.8880, 5.3402

Deuteranomaly

36.7489, 36.0969, 5.1167

Tritanomaly

38.6507, 35.1592, 16.3046

Monochromacy



Original Color

36.4574, 35.9486, 5.0173

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 36.4574, 35.9486, 5.0173 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, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 154, 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, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 154, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.4574, 35.9486, 5.0173 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, 154, 0) }
```


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

```
.border{ border-color:rgb(204, 154, 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, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 154,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4574, 35.9486, 5.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 154, 0) }
```

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

```
.background{ background-color: rgb(204,  
154, 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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