

Converting Colors

XYZ(36.7554, 35.4983, 4.9146)

Have a look what the booklet for
XYZ(36.7554, 35.4983, 4.9146)
contains.

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Color

**XYZ(36.9604, 35.7219,
4.9470)**

Conversions

Conversions Part 1

Format	Color
Hex	CF9800
RGB	207, 152, 0
RGB Percent	81%, 60%, 0%
CMY	0.1882, 0.4039, 0.9999
CMYK	0.00, 0.27, 1.00, 0.19
HSL	44°, 100%, 41%
HSV	44°, 100%, 81%
XYZ	36.9604, 35.7219, 4.9470
YIQ	151.1170, 81.5720, -35.6120

Conversions

Conversions Part 2

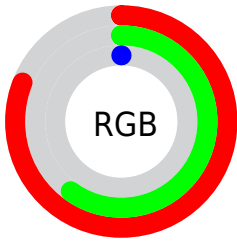
Format	Color
R_YB	75, 207, 0
Decimal	13604864
CIE _{Lab}	66.31, 10.18, 70.54
CIE _{LCh}	66, 71.273, 81.787
Yxy	35.7219, 0.4761, 0.4602
Android (android.graphics.Color)	4291794944 (0xFFCF9800)
YUV	151.1170, -74.5007, 49.0094
Hunter-Lab	59.7678, 5.7907, 36.9300

Details

The XYZ color **36.9604, 35.7219, 4.9470** 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 **12.6291, 7.2381, 59.7625**, and the grayscale version is **29.7518, 31.3012, 34.0870**.

A 20% lighter version of the original color is **64.5813, 65.9106, 15.9748**, and **16.6863, 15.5104, 2.1143** is the 20% darker color. If you saturate the color by 10%, you get **36.9605, 35.7225, 4.9471**, and if you desaturate by 10%, it is **38.0073, 37.6037, 5.9507**.

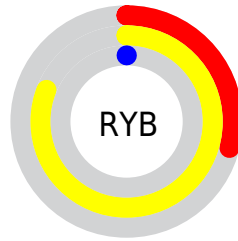
Distribution



Red (81%)

Green (60%)

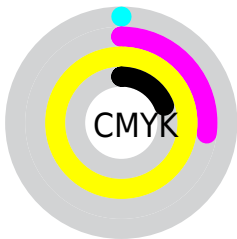
Blue (0%)



Red (29%)

Yellow (81%)

Blue (0%)

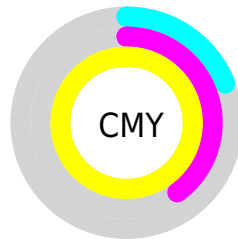


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9604, 35.7219, 4.9470 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 36.9604, 35.7219, 4.9470 by changing the saturation by 10% instead.


 36.9604, 35.7219,
4.9470


 36.9604, 35.7219,
4.9470


324.4976,
327.7434, 158.2322


 25.3504, 24.2195,
2.1580


 69.8261, 68.6026,
16.1408


 16.4684, 15.4965,
0.6500


 91.8125, 90.7497,
25.3827

 9.9492, 9.1686,
0.0000


 117.9884,
117.2138, 37.6127

 5.4273, 4.8513,
0.0000

 148.7191,
148.3793, 53.2493

 2.5374, 2.1603,
0.0000

 184.3700,
184.6306, 72.7110

 0.9141, 0.6982,
0.0000

 225.3065,

 0.0000, 0.0000,

226.3522, 96.4163

0.0000

271.8939,
273.9283, 124.7839

36.9604, 35.7219,
4.9470

36.9604, 35.7219,
4.9470

36.9605, 35.7225,
4.9471

38.0073, 37.6037,
5.9507

39.2376, 39.6245,
7.7161

40.7006, 41.8064,
10.4980

42.4230, 44.1609,
14.4338

44.4273, 46.6977,
19.6394

■ 46.7333, 49.4256,
26.2164

■ 49.3588, 52.3525,
34.2564

■ 52.3201, 55.4857,
43.8427

■ 55.6323, 58.8321,
55.0525

Harmonies

Analogous

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



48.2490, 35.7219, 8.6290



36.9604, 35.7219, 4.9470



26.9097, 35.7219, 5.9103

Triad

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



36.9604, 35.7219, 4.9470



18.2754, 35.7219, 64.9540



52.7025, 35.7219, 87.5764

Complementary

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



36.9604, 35.7219, 4.9470



12.6291, 7.2381, 59.7625

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.



42.1282, 35.7219, 122.6388



36.9604, 35.7219, 4.9470



22.8023, 35.7219, 105.5042

Square

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



36.9604, 35.7219, 4.9470



17.4595, 35.7219, 31.1097



31.1126, 35.7219, 130.5107



58.5001, 35.7219, 47.8816

Rectangle

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



36.9604, 35.7219, 4.9470



22.0606, 35.7219, 9.5192



31.1126, 35.7219, 130.5107



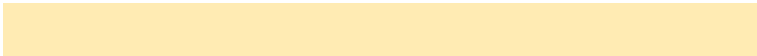
49.4956, 35.7219, 100.9993

Sweetspot

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



36.9612, 35.7237, 4.9477



78.9415, 83.7252, 54.3831



26.4267, 13.5434, 4.8621



16.5004, 17.4848, 10.4083



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.



36.9612, 35.7237, 4.9477



59.0634, 56.9067, 7.8711



36.5519, 51.9659, 8.1043



12.5266, 13.2440, 12.5082



23.3681, 22.6693, 3.1440



1.3698, 1.3938, 0.1968

Inverse Universe

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



12.6291, 7.2381, 59.7625



20.1020, 11.3241, 95.7340



12.4962, 5.1412, 59.3648



11.4155, 11.9213, 14.9430



8.0234, 4.6935, 37.6755



0.5146, 0.3944, 2.1286

Previews

White Background



This preview shows how the XYZ color 36.9604, 35.7219, 4.9470 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 36.9604, 35.7219, 4.9470 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 36.9604, 35.7219, 4.9470

Background



This preview shows how black text looks on a background with the XYZ color 36.9604, 35.7219, 4.9470.



This preview shows how white text looks on a background with the XYZ color 36.9604, 35.7219,

4.9470.

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

36.9604, 35.7219, 4.9470

Protanopia

32.2781, 35.8123, 5.5591

Deuteranopia

36.2931, 35.6198, 4.9625



Tritanopia

42.9239, 35.6129, 34.3174

Trichromacy



Original Color

36.9604, 35.7219, 4.9470

Protanomaly

33.7565, 35.5476, 5.3119

Deuteranomaly

36.5681, 35.7616, 4.9753

Tritanomaly

39.1470, 34.9627, 15.9945

Monochromacy



Original Color

36.9604, 35.7219, 4.9470

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.9725, 31.6357, 15.5929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9604, 35.7219, 4.9470 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(207, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 152, 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(207, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.9604, 35.7219, 4.9470 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(207, 152, 0) }
```


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

```
.border{ border-color:rgb(207, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9604, 35.7219, 4.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 152, 0) }
```

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

```
.background{ background-color: rgb(207,  
152, 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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