

Converting Colors

XYZ(38.4290, 36.0561, 13.0902)

Have a look what the booklet for
XYZ(38.4290, 36.0561, 13.0902)
contains.

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Color

**XYZ(38.3601, 36.0231,
13.1150)**

Conversions

Conversions Part 1

Format	Color
Hex	CF9753
RGB	207, 151, 83
RGB Percent	81%, 59%, 33%
CMY	0.1882, 0.4078, 0.6745
CMYK	0.00, 0.27, 0.60, 0.19
HSL	33°, 56%, 57%
HSV	33°, 60%, 81%
XYZ	38.3601, 36.0231, 13.1150
YIQ	159.9920, 55.2040, -9.2760

Conversions

Conversions Part 2

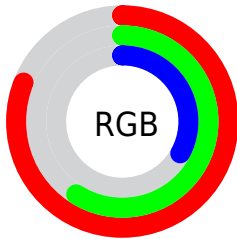
Format	Color
RYB	185, 207, 83
Decimal	13604691
CIELab	66.54, 13.74, 43.53
CIELCh	67, 45.650, 72.487
Yxy	36.0231, 0.4384, 0.4117
Android (android.graphics.Color)	4291794771 (0xFFCF9753)
YUV	159.9920, -37.9571, 41.2260
Hunter-Lab	60.0192, 9.0510, 29.0578

Details

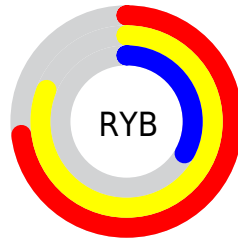
The XYZ color **38.3601, 36.0231, 13.1150** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **24.0620, 24.8083, 62.5516**, and the grayscale version is **33.5624, 35.3102, 38.4528**.

A 20% lighter version of the original color is **67.3744, 66.6439, 31.8668**, and **17.2403, 15.6194, 3.6196** is the 20% darker color. If you saturate the color by 10%, you get **36.2320, 32.8608, 9.0342**, and if you desaturate by 10%, it is **40.8477, 39.5230, 18.4933**.

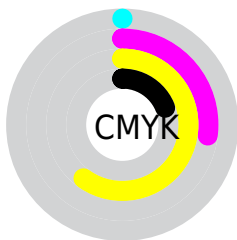
Distribution



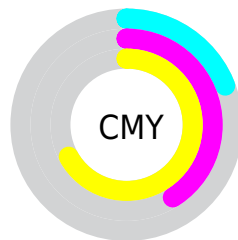
- Red (81%)
- Green (59%)
- Blue (33%)



- Red (73%)
- Yellow (81%)
- Blue (33%)



- Cyan (0%)
- Magenta (27%)
- Yellow (60%)
- Black (19%)





- Cyan (19%)
- Magenta (41%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3601, 36.0231, 13.1150 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 38.3601, 36.0231, 13.1150 by changing the saturation by 10% instead.


 38.3601, 36.0231,
13.1150


 38.3601, 36.0231,
13.1150


330.4164,
329.0615, 222.8870


 26.4408, 24.4520,
7.3761

 71.9601, 69.0677,
32.2044

 17.2881, 15.6693,
3.6164


 94.3715, 91.3101,
46.3921


 10.5367, 9.2904,
1.4174


 121.0109,
117.8783, 64.2331

 5.8212, 4.9311,
0.1552

 152.2437,
149.1568, 86.1459

 2.7763, 2.2069,
0.0000

 188.4354,
185.5300, 112.5492

 1.0366, 0.7237,
0.0000

229.9511,

 0.0000, 0.0000,

227.3822, 143.8615

0.0000

277.1563,
275.0979, 180.5012

■ 38.3601, 36.0231,
13.1150

■ 38.3601, 36.0231,
13.1150

■ 36.2320, 32.8608,
9.0342

■ 40.8477, 39.5230,
18.4933

■ 34.4363, 30.0165,
6.1321

■ 43.7143, 43.3681,
25.2693

■ 32.9448, 27.4758,
4.2717

■ 46.9805, 47.5724,
33.5356

■ 31.7071, 25.2137,
3.2014

■ 50.6648, 52.1471,
43.3763

■ 31.6958, 25.1928,
3.1921

■ 54.7840, 57.1029,
54.8692

■ 59.3542, 62.4500,
68.0868

■ 64.3905, 68.1982,
83.0973

■ 69.9072, 74.3567,
99.9651

■ 73.5288, 79.9788,
106.1698

Harmonies

Analogous

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



44.9069, 36.0231, 18.8528



38.3601, 36.0231, 13.1150



31.4673, 36.0231, 12.7067

Triad

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



38.3601, 36.0231, 13.1150



22.9153, 36.0231, 47.9641



43.9349, 36.0231, 74.1626

Complementary

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



38.3601, 36.0231, 13.1150



24.0620, 24.8083, 62.5516

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.



37.1686, 36.0231, 88.8248



38.3601, 36.0231, 13.1150



25.4102, 36.0231, 70.6414

Square

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



38.3601, 36.0231, 13.1150



23.1450, 36.0231, 28.9256



30.4239, 36.0231, 87.3558



48.4090, 36.0231, 51.7134

Rectangle

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



38.3601, 36.0231, 13.1150



27.6363, 36.0231, 15.2215



30.4239, 36.0231, 87.3558



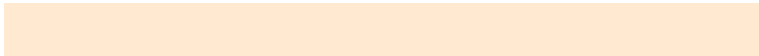
41.8172, 36.0231, 80.4556

Sweetspot

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



38.3610, 36.0249, 13.1157



82.2615, 84.8694, 72.4323



33.6234, 21.3714, 27.5007



17.2125, 17.6835, 14.4235



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.



38.3610, 36.0249, 13.1157



57.1600, 51.2596, 12.9102



48.4665, 57.9279, 16.8108



12.3384, 12.8675, 12.4454



20.0656, 16.0641, 2.0431



1.2006, 1.0556, 0.1405

Inverse Universe

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



24.0620, 24.8083, 62.5516



32.2847, 31.7883, 99.0419



18.2990, 12.7246, 60.5230



11.5970, 12.2843, 15.0035



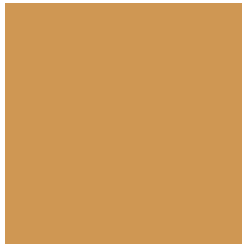
9.6803, 8.0073, 38.2278



0.6200, 0.6052, 2.1637

Previews

White Background



This preview shows how the XYZ color 38.3601, 36.0231, 13.1150 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 38.3601, 36.0231, 13.1150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

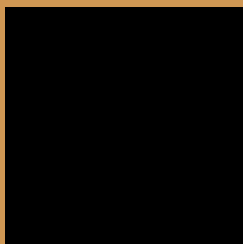
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3601, 36.0231, 13.1150

Background



This preview shows how black text looks on a background with the XYZ color 38.3601, 36.0231, 13.1150.



This preview shows how white text looks on a background with the XYZ color 38.3601, 36.0231,

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

38.3601, 36.0231, 13.1150

Protanopia

33.2310, 36.1125, 14.2358

Deuteranopia

36.6318, 35.8625, 12.9741



Tritanopia

42.8066, 35.9751, 35.2596

Trichromacy



Original Color

38.3601, 36.0231, 13.1150

Protanomaly

34.8928, 35.9444, 13.9030

Deuteranomaly

37.2713, 35.9482, 12.9569

Tritanomaly

40.7535, 35.8179, 25.1877

Monochromacy



Original Color

38.3601, 36.0231, 13.1150

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.3533, 35.1270, 26.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3601, 36.0231, 13.1150 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, 151, 83)` looks like.

```
.text, #text, p{  
    color:rgb(207, 151, 83)  
}
```

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, 151, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 151, 83) }
```

Border

The CSS property to change the border of an element to XYZ 38.3601, 36.0231, 13.1150 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, 151, 83) }
```


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

```
.border{ border-color:rgb(207, 151, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 151, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 151, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 151, 83);  
box-shadow:4px 4px 4px 4px rgb(207, 151,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3601, 36.0231, 13.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 151, 83) }
```

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

```
.background{ background-color: rgb(207,  
151, 83) }
```

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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