

Converting Colors

XYZ(37.9818, 37.4697, 6.5323)

Have a look what the booklet for
XYZ(37.9818, 37.4697, 6.5323)
contains.

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Color

**XYZ(38.0364, 37.4783,
6.5256)**

Conversions

Conversions Part 1

Format	Color
Hex	CF9D1F
RGB	207, 157, 31
RGB Percent	81%, 62%, 12%
CMY	0.1882, 0.3843, 0.8784
CMYK	0.00, 0.24, 0.85, 0.19
HSL	43°, 74%, 47%
HSV	43°, 85%, 81%
XYZ	38.0364, 37.4783, 6.5256
YIQ	157.5860, 70.2460, -28.5860

Conversions

Conversions Part 2

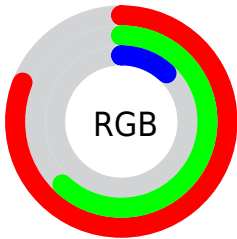
Format	Color
RYB	101, 207, 31
Decimal	13606175
CIELab	67.63, 7.97, 65.93
CIELCh	68, 66.409, 83.110
Yxy	37.4783, 0.4636, 0.4568
Android (android.graphics.Color)	4291796255 (0xFFCF9D1F)
YUV	157.5860, -62.4069, 43.3361
Hunter-Lab	61.2195, 3.7700, 36.5337

Details

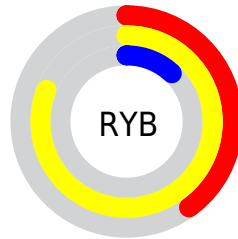
The XYZ color **38.0364, 37.4783, 6.5256** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **14.7700, 10.6810, 60.3141**, and the grayscale version is **32.5642, 34.2601, 37.3092**.

A 20% lighter version of the original color is **66.3374, 68.5698, 19.1901**, and **17.3668, 16.6040, 2.2896** is the 20% darker color. If you saturate the color by 10%, you get **36.8752, 35.4616, 5.1972**, and if you desaturate by 10%, it is **39.4221, 39.6645, 8.7924**.

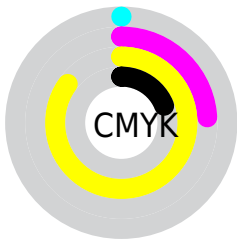
Distribution



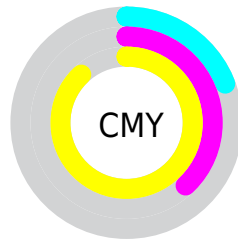
- Red (81%)
- Green (62%)
- Blue (12%)



- Red (40%)
- Yellow (81%)
- Blue (12%)



- Cyan (0%)
- Magenta (24%)
- Yellow (85%)
- Black (19%)





- Cyan (19%)
- Magenta (38%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0364, 37.4783, 6.5256 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 38.0364, 37.4783, 6.5256 by changing the saturation by 10% instead.


 38.0364, 37.4783,
6.5256


 38.0364, 37.4783,
6.5256


329.0542,
335.3767, 173.1400


 26.1883, 25.5780,
3.0933


 71.4675, 71.3078,
19.5086


 17.0980, 16.5082,
1.1425


 93.7811, 94.0058,
29.8965

 10.4001, 9.8845,
0.0000


 120.3140,
121.0719, 43.4399

 5.7293, 5.3224,
0.0000

 151.4315,
152.8904, 60.5575

 2.7203, 2.4377,
0.0000

 187.4989,
189.8457, 81.6677

 1.0076, 0.8452,
0.0000

 228.8816,

 0.0000, 0.0000,

232.3223, 107.1892

0.0000

275.9449,
280.7045, 137.5405

■ 38.0364, 37.4783,
6.5256

■ 38.0364, 37.4783,
6.5256

■ 36.8752, 35.4616,
5.1972

■ 39.4221, 39.6645,
8.7924

■ 36.3529, 34.5074,
4.7446

■ 41.0593, 42.0274,
12.1485

■ 42.9735, 44.5798,
16.7202

■ 45.1858, 47.3311,
22.6158

■ 47.7149, 50.2899,
29.9315

■ 50.5781, 53.4639,
38.7545

■ 53.7911, 56.8604,
49.1651

■ 57.3686, 60.4862,
61.2376

■ 61.3244, 64.3478,
75.0419

Harmonies

Analogous

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



48.7946, 37.4783, 10.2849



38.0364, 37.4783, 6.5256



28.4404, 37.4783, 7.8152

Triad

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



38.0364, 37.4783, 6.5256



20.4098, 37.4783, 67.1774



53.8007, 37.4783, 84.8710

Complementary

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



38.0364, 37.4783, 6.5256



14.7700, 10.6810, 60.3141

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.



43.9209, 37.4783, 117.7313



38.0364, 37.4783, 6.5256



25.0631, 37.4783, 104.5484

Square

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



38.0364, 37.4783, 6.5256



19.4341, 37.4783, 34.4103



33.3120, 37.4783, 126.2734



58.9586, 37.4783, 47.9522

Rectangle

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



38.0364, 37.4783, 6.5256



23.7910, 37.4783, 11.9348



33.3120, 37.4783, 126.2734



50.8405, 37.4783, 97.3581

Sweetspot

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



38.0372, 37.4802, 6.5263



80.4362, 85.0080, 60.1423



27.8146, 14.8826, 9.7539



16.8643, 17.8084, 11.7756



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.



38.0372, 37.4802, 6.5263



58.0837, 54.9474, 7.5446



39.5295, 53.4723, 9.5345



12.5078, 13.2064, 12.5019



22.9882, 21.9094, 3.0173



1.3510, 1.3564, 0.1906

Inverse Universe

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



14.7700, 10.6810, 60.3141



20.3957, 11.9113, 95.8319



14.0131, 6.6506, 59.5760



11.4333, 11.9568, 14.9489



8.1450, 4.9366, 37.7161



0.5233, 0.4118, 2.1315

Previews

White Background



This preview shows how the XYZ color 38.0364, 37.4783, 6.5256 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 38.0364, 37.4783, 6.5256 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 38.0364, 37.4783, 6.5256

Background



This preview shows how black text looks on a background with the XYZ color 38.0364, 37.4783, 6.5256.



This preview shows how white text looks on a background with the XYZ color 38.0364, 37.4783,

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

38.0364, 37.4783, 6.5256

Protanopia

33.9793, 37.4592, 6.8783

Deuteranopia

38.3167, 37.6228, 6.5387



Tritanopia

44.0962, 37.2882, 36.7715

Trichromacy



Original Color

38.0364, 37.4783, 6.5256

Protanomaly

35.4292, 37.4143, 6.7209

Deuteranomaly

38.3167, 37.6228, 6.5387

Tritanomaly

40.6396, 36.8093, 20.0019

Monochromacy



Original Color

38.0364, 37.4783, 6.5256

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.0560, 34.8537, 20.3144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0364, 37.4783, 6.5256 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, 157, 31)` looks like.

```
.text, #text, p{  
    color:rgb(207, 157, 31)  
}
```

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, 157, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 157, 31) }
```

Border

The CSS property to change the border of an element to XYZ 38.0364, 37.4783, 6.5256 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, 157, 31) }
```


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

```
.border{ border-color:rgb(207, 157, 31) }
```

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

Here you see how a box with a 4 pixel rgb(207, 157, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 157, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 157, 31);  
box-shadow:4px 4px 4px 4px rgb(207, 157,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0364, 37.4783, 6.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 157, 31) }
```

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

```
.background{ background-color: rgb(207,  
157, 31) }
```

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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