

Converting Colors

XYZ(37.1543, 37.8231, 2.1343)

Have a look what the booklet for
XYZ(37.1543, 37.8231, 2.1343)
contains.

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Color

**XYZ(37.7476, 38.1207,
5.3685)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA000
RGB	205, 160, 0
RGB Percent	80%, 63%, 0%
CMY	0.1961, 0.3725, 0.9999
CMYK	0.00, 0.22, 1.00, 0.20
HSL	47°, 100%, 40%
HSV	47°, 100%, 80%
XYZ	37.7476, 38.1207, 5.3685
YIQ	155.2150, 78.1800, -40.2200

Conversions

Conversions Part 2

Format	Color
RYB	58, 205, 0
Decimal	13475840
CIELab	68.11, 4.98, 71.68
CIELCh	68, 71.852, 86.022
Yxy	38.1207, 0.4647, 0.4693
Android (android.graphics.Color)	4291665920 (0xFFCDA000)
YUV	155.2150, -76.5210, 43.6614
Hunter-Lab	61.7420, 1.0823, 38.0641

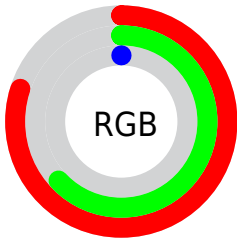
Details

The XYZ color **37.7476, 38.1207, 5.3685** 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 **11.9582, 6.2852, 58.3400**, and the grayscale version is **31.5570, 33.2004, 36.1552**.

A 20% lighter version of the original color is **66.5911, 69.8749, 16.8150**, and **17.1457, 16.9570, 2.3694** is the 20% darker color. If you saturate the color by 10%, you get **37.7478, 38.1215, 5.3687**, and if you desaturate by 10%, it is **38.6736, 39.7635, 6.3229**.

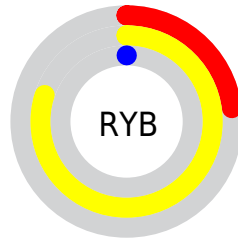
Distribution



Red (80%)

Green (63%)

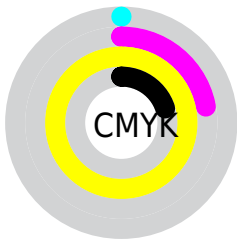
Blue (0%)



Red (23%)

Yellow (80%)

Blue (0%)

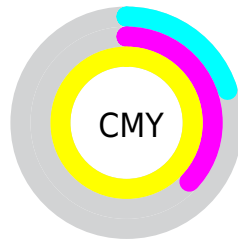


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7476, 38.1207, 5.3685 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 37.7476, 38.1207, 5.3685 by changing the saturation by 10% instead.


 37.7476, 38.1207,
5.3685


 37.7476, 38.1207,
5.3685


327.8356,
338.1375, 162.4003


 25.9632, 26.0764,
2.4026


 71.0275, 72.2931,
17.0598


 16.9286, 16.8808,
0.7878


 93.2537, 95.1900,
26.6223


 10.2786, 10.1495,
0.0000


 119.6912,
122.4732, 39.2206

 5.6478, 5.4982,
0.0000

 150.7053,
154.5270, 55.2735

 2.6707, 2.5424,
0.0000

 186.6615,
191.7360, 75.1993

 0.9821, 0.8978,
0.0000

 227.9250,

 0.0000, 0.0000,

234.4845, 99.4167

0.0000

274.8613,
283.1568, 128.3442

37.7476, 38.1207,
5.3685

37.7476, 38.1207,
5.3685

37.7478, 38.1215,
5.3687

38.6736, 39.7635,
6.3229

39.7660, 41.5170,
8.0168

41.0733, 43.4025,
10.7005

42.6214, 45.4309,
14.5080

44.4318, 47.6112,
19.5524

■ 46.5237, 49.9516,
25.9329

■ 48.9143, 52.4593,
33.7386

■ 51.6192, 55.1410,
43.0509

■ 54.6531, 58.0030,
53.9451

Harmonies

Analogous

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



49.6549, 38.1207, 8.4869



37.7476, 38.1207, 5.3685



27.5793, 38.1207, 7.0864

Triad

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



37.7476, 38.1207, 5.3685



20.1169, 38.1207, 74.8847



57.1938, 38.1207, 86.4165

Complementary

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



37.7476, 38.1207, 5.3685



11.9582, 6.2852, 58.3400

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.



46.5294, 38.1207, 125.2980



37.7476, 38.1207, 5.3685



25.4773, 38.1207, 116.5696

Square

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



37.7476, 38.1207, 5.3685



18.7107, 38.1207, 37.3726



34.7587, 38.1207, 138.4893



62.2524, 38.1207, 45.9355

Rectangle

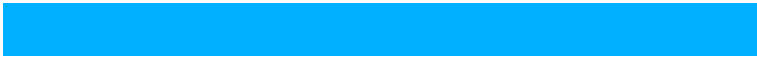
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.7476, 38.1207, 5.3685



22.8360, 38.1207, 11.7150



34.7587, 38.1207, 138.4893



54.0510, 38.1207, 100.7774

Sweetspot

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



37.7485, 38.1226, 5.3692



79.9615, 85.7650, 54.7231



25.7070, 13.1914, 3.9707



16.7458, 17.9755, 10.4901



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.



37.7485, 38.1226, 5.3692



61.6699, 62.1199, 8.7400



34.4709, 50.1783, 7.8690



11.9368, 12.6626, 11.8944



23.5724, 23.8777, 3.3665



1.2692, 1.3380, 0.1914

Inverse Universe

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



11.9582, 6.2852, 58.3400



19.4628, 10.0456, 95.5209



12.5774, 5.2112, 58.1000



10.7981, 11.2367, 14.1701



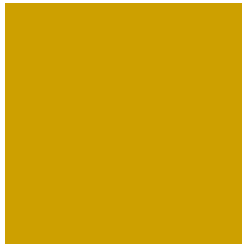
7.5025, 4.0290, 36.3385



0.4450, 0.3238, 1.8940

Previews

White Background



This preview shows how the XYZ color 37.7476, 38.1207, 5.3685 looks on a white background.

Color Contrast Check

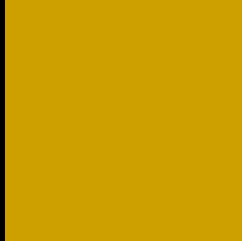
Large Text (above 18pt) WCAG AA × Fail

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 37.7476, 38.1207, 5.3685 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 37.7476, 38.1207, 5.3685

Background



This preview shows how black text looks on a background with the XYZ color 37.7476, 38.1207, 5.3685.



This preview shows how white text looks on a background with the XYZ color 37.7476, 38.1207,

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

37.7476, 38.1207, 5.3685

Protanopia

34.6125, 38.3507, 5.8653

Deuteranopia

38.8656, 38.1795, 5.6376



Tritanopia

44.5332, 38.1791, 38.2799

Trichromacy



Original Color

37.7476, 38.1207, 5.3685

Protanomaly

35.5565, 38.0334, 5.6395

Deuteranomaly

38.4489, 38.2215, 5.5520

Tritanomaly

40.3678, 37.4434, 17.6701

Monochromacy



Original Color

37.7476, 38.1207, 5.3685

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.5427, 33.8990, 16.6851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7476, 38.1207, 5.3685 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(205, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 160, 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(205, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.7476, 38.1207, 5.3685 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(205, 160, 0) }
```


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

```
.border{ border-color:rgb(205, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 160,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7476, 38.1207, 5.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 160, 0) }
```

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

```
.background{ background-color: rgb(205,  
160, 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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