

Converting Colors

XYZ(37.8518, 37.2750, 7.7709)

Have a look what the booklet for
XYZ(37.8518, 37.2750, 7.7709)
contains.

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Color

**XYZ(38.0037, 37.4330,
7.8070)**

Conversions

Conversions Part 1

Format	Color
Hex	CE9D2E
RGB	206, 157, 46
RGB Percent	81%, 62%, 18%
CMY	0.1922, 0.3843, 0.8196
CMYK	0.00, 0.24, 0.78, 0.19
HSL	42°, 63%, 49%
HSV	42°, 78%, 81%
XYZ	38.0037, 37.4330, 7.8070
YIQ	158.9970, 64.8350, -24.1330

Conversions

Conversions Part 2

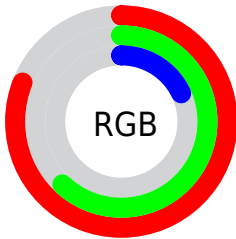
Format	Color
R_{YB}	117, 206, 46
Decimal	13540654
CIE _{Lab}	67.60, 8.01, 61.05
CIE _{LCh}	68, 61.574, 82.528
Yxy	37.4330, 0.4565, 0.4497
Android (android.graphics.Color)	4291730734 (0xFFCE9D2E)
YUV	158.9970, -55.7075, 41.2216
Hunter-Lab	61.1825, 3.8064, 35.2622

Details

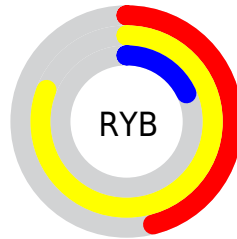
The XYZ color **38.0037, 37.4330, 7.8070** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **16.3593, 13.2210, 60.0818**, and the grayscale version is **33.1803, 34.9082, 38.0150**.

A 20% lighter version of the original color is **66.8345, 68.7686, 21.8077**, and **17.1867, 16.5111, 2.2811** is the 20% darker color. If you saturate the color by 10%, you get **36.6513, 35.2296, 5.8110**, and if you desaturate by 10%, it is **39.6076, 39.8282, 10.8481**.

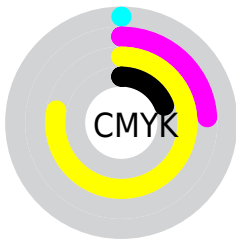
Distribution



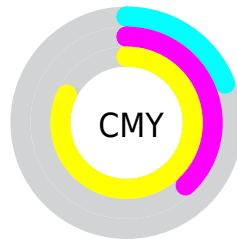
- Red (81%)
- Green (62%)
- Blue (18%)



- Red (46%)
- Yellow (81%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (78%)
- Black (19%)





- Cyan (19%)
- Magenta (38%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0037, 37.4330, 7.8070 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 38.0037, 37.4330, 7.8070 by changing the saturation by 10% instead.


 38.0037, 37.4330,
7.8070


 38.0037, 37.4330,
7.8070


328.9164,
335.1814, 184.0880

 26.1628, 25.5429,
3.8857


 71.4177, 71.2382,
22.1191

 17.0788, 16.4820,
1.5629


 93.7214, 93.9222,
33.3470

 10.3863, 9.8659,
0.2641


 120.2435,
120.9729, 47.8475

 5.7201, 5.3101,
0.0000

 151.3493,
152.7747, 66.0391

 2.7147, 2.4303,
0.0000

 187.4041,
189.7121, 88.3405

 1.0047, 0.8414,
0.0000

 228.7734,

 0.0000, 0.0000,

232.1694, 115.1700

0.0000

275.8223,
280.5310, 146.9464

■ 38.0037, 37.4330,
7.8070

■ 38.0037, 37.4330,
7.8070

■ 36.6513, 35.2296,
5.8110

■ 39.6076, 39.8282,
10.8481

■ 35.5121, 33.1969,
4.6739

■ 41.4860, 42.4210,
15.0620

■ 35.2636, 32.7422,
4.4613

■ 43.6613, 45.2234,
20.5603

■ 46.1530, 48.2443,
27.4411

■ 48.9786, 51.4919,
35.7926

■ 52.1541, 54.9739,
45.6959

■ 55.6944, 58.6973,
57.2259

■ 59.6135, 62.6689,
70.4529

■ 63.9247, 66.8951,
85.4429

Harmonies

Analogous

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



47.8681, 37.4330, 11.7692



38.0037, 37.4330, 7.8070



29.0385, 37.4330, 9.0443

Triad

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



38.0037, 37.4330, 7.8070



21.2513, 37.4330, 64.2252



52.1058, 37.4330, 81.5095

Complementary

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



38.0037, 37.4330, 7.8070



16.3593, 13.2210, 60.0818

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.



43.0343, 37.4330, 110.5479



38.0037, 37.4330, 7.8070



25.5967, 37.4330, 97.8570

Square

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



38.0037, 37.4330, 7.8070



20.3861, 37.4330, 34.3362



33.2596, 37.4330, 117.5815



56.8994, 37.4330, 47.9347

Rectangle

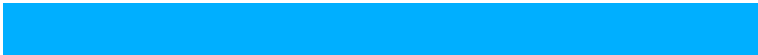
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.0037, 37.4330, 7.8070



24.6197, 37.4330, 13.1113



33.2596, 37.4330, 117.5815



49.3861, 37.4330, 92.6412

Sweetspot

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



38.0046, 37.4348, 7.8077



81.5396, 85.8532, 64.7074



28.5728, 15.9329, 12.7979



17.0612, 17.9419, 12.6433



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.



38.0046, 37.4348, 7.8077



58.1539, 54.9150, 8.1005



40.6200, 53.6476, 10.7993



11.8527, 12.4943, 11.8664



21.8036, 20.3402, 2.7769



1.1900, 1.1796, 0.1650

Inverse Universe

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



16.3593, 13.2210, 60.0818



21.9926, 14.7390, 96.2935



15.0456, 7.9199, 59.1278



10.8773, 11.3950, 14.1965



8.0332, 5.0904, 36.5154



0.4819, 0.3976, 1.9063

Previews

White Background



This preview shows how the XYZ color 38.0037, 37.4330, 7.8070 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 38.0037, 37.4330, 7.8070 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 38.0037, 37.4330, 7.8070

Background



This preview shows how black text looks on a background with the XYZ color 38.0037, 37.4330, 7.8070.



This preview shows how white text looks on a background with the XYZ color 38.0037, 37.4330,

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

38.0037, 37.4330, 7.8070

Protanopia

33.9962, 37.4380, 8.2308

Deuteranopia

38.2822, 37.5766, 7.8201



Tritanopia

44.0458, 37.4822, 37.2611

Trichromacy



Original Color

38.0037, 37.4330, 7.8070

Protanomaly

35.4257, 37.3834, 8.0379

Deuteranomaly

38.2822, 37.5766, 7.8201

Tritanomaly

40.8558, 37.1192, 21.8410

Monochromacy



Original Color

38.0037, 37.4330, 7.8070

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.4014, 34.9918, 22.1332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0037, 37.4330, 7.8070 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(206, 157, 46)` looks like.

```
.text, #text, p{  
    color:rgb(206, 157, 46)  
}
```

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(206, 157, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 157, 46) }
```

Border

The CSS property to change the border of an element to XYZ 38.0037, 37.4330, 7.8070 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(206, 157, 46) }
```


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

```
.border{ border-color:rgb(206, 157, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 157, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 157, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 157, 46);  
box-shadow:4px 4px 4px 4px rgb(206, 157,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0037, 37.4330, 7.8070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 157, 46) }
```

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

```
.background{ background-color: rgb(206,  
157, 46) }
```

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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