

Converting Colors

XYZ(37.7032, 37.8501, 16.3816)

Have a look what the booklet for
XYZ(37.7032, 37.8501, 16.3816)
contains.

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Color

**XYZ(37.7081, 37.8565,
16.3859)**

Conversions

Conversions Part 1

Format	Color
Hex	C5A060
RGB	197, 160, 96
RGB Percent	77%, 63%, 38%
CMY	0.2275, 0.3725, 0.6235
CMYK	0.00, 0.19, 0.51, 0.23
HSL	38°, 47%, 57%
HSV	38°, 51%, 77%
XYZ	37.7081, 37.8565, 16.3859
YIQ	163.7670, 42.5960, -12.0600

Conversions

Conversions Part 2

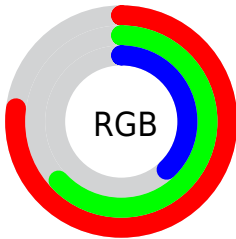
Format	Color
RYB	154, 197, 96
Decimal	12951648
CIELab	67.91, 5.70, 38.30
CIELCh	68, 38.720, 81.541
Yxy	37.8565, 0.4101, 0.4117
Android (android.graphics.Color)	4291141728 (0xFFC5A060)
YUV	163.7670, -33.4091, 29.1453
Hunter-Lab	61.5276, 1.7229, 27.2794

Details

The XYZ color **37.7081, 37.8565, 16.3859** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **23.2891, 23.2921, 56.0915**, and the grayscale version is **35.3162, 37.1554, 40.4623**.

A 20% lighter version of the original color is **70.8857, 71.9990, 38.1781**, and **16.9662, 16.8052, 5.0388** is the 20% darker color. If you saturate the color by 10%, you get **35.6977, 35.1099, 11.7880**, and if you desaturate by 10%, it is **40.0202, 40.8429, 22.2063**.

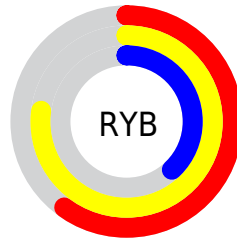
Distribution



Red (77%)

Green (63%)

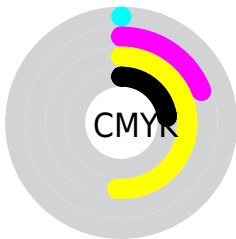
Blue (38%)



Red (60%)

Yellow (77%)

Blue (38%)

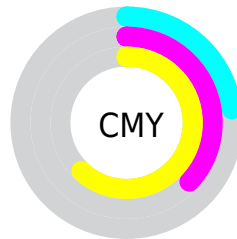


Cyan (0%)

Magenta (19%)

Yellow (51%)

Black (23%)



Cyan (23%)


Magenta (37%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7081, 37.8565, 16.3859 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 37.7081, 37.8565, 16.3859 by changing the saturation by 10% instead.


 37.7081, 37.8565,
16.3859


 37.7081, 37.8565,
16.3859


327.6687,
337.0040, 243.5312


 25.9324, 25.8713,
9.6403

 70.9673, 71.8881,
38.0429

 16.9055, 16.7274,
5.0587


 93.1815, 94.7034,
53.7915

 10.2620, 10.0403,
2.2224


 119.6059,
121.8975, 73.3781

 5.6366, 5.4257,
0.6872

 150.6059,
153.8548, 97.2213

 2.6640, 2.4991,
0.0000

186.5468,
190.9597, 125.7397

 0.9787, 0.8762,
0.0000

227.7940,

 0.0000, 0.0000,

233.5966, 159.3518

0.0000

274.7129,
282.1499, 198.4761

■ 37.7081, 37.8565,
16.3859

■ 37.7081, 37.8565,
16.3859

■ 35.6977, 35.1099,
11.7880

■ 40.0202, 40.8429,
22.2063

■ 33.9678, 32.5883,
8.3189

■ 42.6480, 44.0722,
29.3292

■ 32.4982, 30.2830,
5.8746

■ 45.6078, 47.5542,
37.8302

■ 31.2640, 28.1821,
4.3305

■ 48.9137, 51.2964,
47.7785

■ 30.3394, 26.4973,
3.5154

■ 52.5790, 55.3060,
59.2387

■ 56.6162, 59.5896,
72.2713

■ 61.0373, 64.1537,
86.9336

■ 65.8535, 69.0046,
103.2801

■ 67.9871, 72.9127,
105.0980

Harmonies

Analogous

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



43.6575, 37.8565, 20.3563



37.7081, 37.8565, 16.3859



31.9032, 37.8565, 17.4638

Triad

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



37.7081, 37.8565, 16.3859



26.2679, 37.8565, 54.6037



45.8097, 37.8565, 65.4180

Complementary

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



37.7081, 37.8565, 16.3859



23.2891, 23.2921, 56.0915

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.



40.3933, 37.8565, 80.3002



37.7081, 37.8565, 16.3859



29.2625, 37.8565, 72.9439

Square

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



37.7081, 37.8565, 16.3859



25.7193, 37.8565, 36.5405



34.3084, 37.8565, 83.3829



48.6642, 37.8565, 46.2813

Rectangle

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



37.7081, 37.8565, 16.3859



28.8495, 37.8565, 21.0797



34.3084, 37.8565, 83.3829



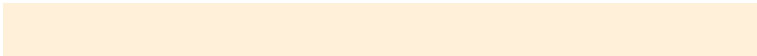
44.2015, 37.8565, 71.2822

Sweetspot

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



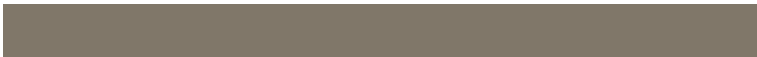
37.7090, 37.8583, 16.3867



85.1841, 89.1611, 78.1954



31.4449, 21.9307, 24.7785



17.9618, 18.7772, 15.9213



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.



37.7090, 37.8583, 16.3867



63.3797, 62.0945, 19.9298



41.7331, 50.9097, 18.6937



11.1847, 11.7385, 11.2390



20.0376, 17.5923, 2.3396



1.0161, 0.9676, 0.1332

Inverse Universe

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



23.2891, 23.2921, 56.0915



34.6589, 33.1354, 99.1768



20.6255, 15.6782, 54.7623



10.3695, 10.9131, 13.4774



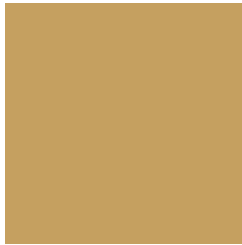
8.2331, 5.8600, 35.4415



0.4588, 0.4154, 1.7011

Previews

White Background



This preview shows how the XYZ color 37.7081, 37.8565, 16.3859 looks on a white background.

Color Contrast Check

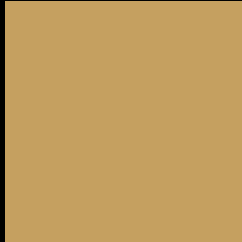
Large Text (above 18pt) WCAG AA × Fail

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 37.7081, 37.8565, 16.3859 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 37.7081, 37.8565, 16.3859

Background



This preview shows how black text looks on a background with the XYZ color 37.7081, 37.8565, 16.3859.



This preview shows how white text looks on a background with the XYZ color 37.7081, 37.8565,

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

37.7081, 37.8565, 16.3859

Protanopia

34.8969, 37.9780, 17.0465

Deuteranopia

38.6953, 37.8548, 16.3336



Tritanopia

42.5577, 37.8333, 40.1815

Trichromacy



Original Color

37.7081, 37.8565, 16.3859

Protanomaly

35.9266, 37.9788, 16.7464

Deuteranomaly

38.3289, 37.9202, 16.3655

Tritanomaly

40.4689, 37.7243, 29.5747

Monochromacy



Original Color

37.7081, 37.8565, 16.3859

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.6619, 37.2886, 29.7439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7081, 37.8565, 16.3859 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(197, 160, 96)` looks like.

```
.text, #text, p{  
    color:rgb(197, 160, 96)  
}
```

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(197, 160, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 160, 96) }
```

Border

The CSS property to change the border of an element to XYZ 37.7081, 37.8565, 16.3859 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(197, 160, 96) }
```


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

```
.border{ border-color:rgb(197, 160, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 160, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 160, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 160, 96);  
box-shadow:4px 4px 4px 4px rgb(197, 160,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7081, 37.8565, 16.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 160, 96) }
```

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

```
.background{ background-color: rgb(197,  
160, 96) }
```

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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