

Converting Colors

XYZ(38.3714, 38.7304, 5.4537)

Have a look what the booklet for
XYZ(38.3714, 38.7304, 5.4537)
contains.

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Color

**XYZ(38.4770, 38.7551,
5.4525)**

Conversions

Conversions Part 1

Format	Color
Hex	CFA100
RGB	207, 161, 0
RGB Percent	81%, 63%, 0%
CMY	0.1882, 0.3686, 0.9999
CMYK	0.00, 0.22, 1.00, 0.19
HSL	47°, 100%, 41%
HSV	47°, 100%, 81%
XYZ	38.4770, 38.7551, 5.4525
YIQ	156.4000, 79.0970, -40.3190

Conversions

Conversions Part 2

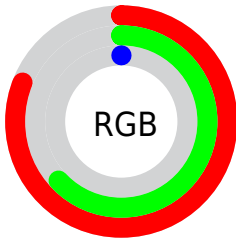
Format	Color
RYB	59, 207, 0
Decimal	13607168
CIELab	68.57, 5.34, 72.10
CIELCh	69, 72.295, 85.767
Yxy	38.7551, 0.4653, 0.4687
Android (android.graphics.Color)	4291797248 (0xFFCFA100)
YUV	156.4000, -77.1052, 44.3762
Hunter-Lab	62.2536, 1.3815, 38.3846

Details

The XYZ color **38.4770, 38.7551, 5.4525** 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 **12.2399, 6.4596, 59.6328**, and the grayscale version is **32.0900, 33.7611, 36.7659**.

A 20% lighter version of the original color is **66.8449, 70.3827, 16.8996**, and **17.6086, 17.3549, 2.4218** is the 20% darker color. If you saturate the color by 10%, you get **38.4773, 38.7559, 5.4527**, and if you desaturate by 10%, it is **39.4292, 40.4475, 6.4246**.

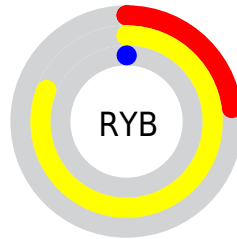
Distribution



Red (81%)

Green (63%)

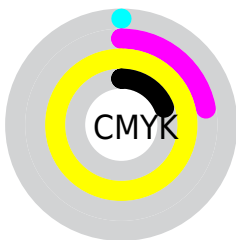
Blue (0%)



Red (23%)

Yellow (81%)

Blue (0%)

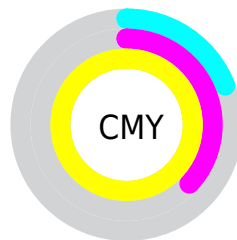


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4770, 38.7551, 5.4525 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 38.4770, 38.7551, 5.4525 by changing the saturation by 10% instead.


 38.4770, 38.7551,
5.4525


 38.4770, 38.7551,
5.4525


330.9074,
340.8482, 163.2129


 26.5320, 26.5693,
2.4518


 72.1379, 73.2640,
17.2411


 17.3568, 17.2500,
0.8144


 94.5844, 96.3559,
26.8660


 10.5861, 10.4129,
0.0000


 121.2623,
123.8520, 39.5361

 5.8545, 5.6736,
0.0000

 152.5367,
156.1366, 55.6699

 2.7966, 2.6476,
0.0000

 188.7730,
193.5941, 75.6860

 1.0471, 0.9507,
0.0000

 230.3367,

 0.0000, 0.0000,

236.6089, 100.0028

0.0000

277.5930,
285.5655, 129.0389

38.4770, 38.7551,
5.4525

38.4770, 38.7551,
5.4525

38.4773, 38.7559,
5.4527

39.4292, 40.4475,
6.4246

40.5526, 42.2547,
8.1545

41.8965, 44.1983,
10.8967

43.4873, 46.2895,
14.7887

45.3473, 48.5376,
19.9462

■ 47.4960, 50.9509,
26.4708

■ 49.9511, 53.5369,
34.4540

■ 52.7286, 56.3025,
43.9791

■ 55.8434, 59.2541,
55.1231

Harmonies

Analogous

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



50.5910, 38.7551, 8.6708



38.4770, 38.7551, 5.4525



28.1063, 38.7551, 7.1556

Triad

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



38.4770, 38.7551, 5.4525



20.4142, 38.7551, 75.7853



58.0875, 38.7551, 88.2702

Complementary

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



38.4770, 38.7551, 5.4525



12.2399, 6.4596, 59.6328

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.



47.2075, 38.7551, 127.7155



38.4770, 38.7551, 5.4525



25.8311, 38.7551, 118.2652

Square

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



38.4770, 38.7551, 5.4525



19.0174, 38.7551, 37.7324



35.2415, 38.7551, 140.8407



63.2989, 38.7551, 47.0021

Rectangle

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



38.4770, 38.7551, 5.4525



23.2585, 38.7551, 11.8116



35.2415, 38.7551, 140.8407



54.8752, 38.7551, 102.8693

Sweetspot

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



38.4779, 38.7570, 5.4532



79.9010, 85.6442, 54.7029



26.2720, 13.4816, 4.0475



16.7312, 17.9464, 10.4852



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.



38.4779, 38.7570, 5.4532



61.5112, 61.8024, 8.6871



35.2248, 51.2818, 8.0422



12.5713, 13.3333, 12.5230



24.3156, 24.5642, 3.4598



1.4159, 1.4861, 0.2122

Inverse Universe

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



12.2399, 6.4596, 59.6328



19.4965, 10.1130, 95.5322



12.8496, 5.3234, 59.3814



11.3737, 11.8377, 14.9291



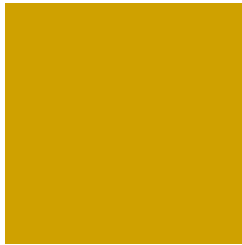
7.7699, 4.1864, 37.5910



0.4952, 0.3555, 2.1221

Previews

White Background



This preview shows how the XYZ color 38.4770, 38.7551, 5.4525 looks on a white background.

Color Contrast Check

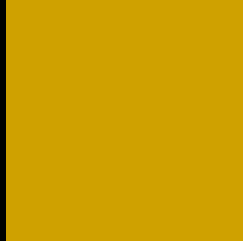
Large Text (above 18pt) WCAG AA × Fail

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 38.4770, 38.7551, 5.4525 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 38.4770, 38.7551, 5.4525

Background



This preview shows how black text looks on a background with the XYZ color 38.4770, 38.7551, 5.4525.



This preview shows how white text looks on a background with the XYZ color 38.4770, 38.7551,

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

38.4770, 38.7551, 5.4525

Protanopia

35.0437, 38.8460, 5.9382

Deuteranopia

39.6099, 38.8175, 5.7215



Tritanopia

45.3637, 38.8330, 38.8228

Trichromacy



Original Color

38.4770, 38.7551, 5.4525

Protanomaly

36.2530, 38.6592, 5.7235

Deuteranomaly

39.1875, 38.8586, 5.6361

Tritanomaly

41.1053, 38.0676, 17.7517

Monochromacy



Original Color

38.4770, 38.7551, 5.4525

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.1582, 34.4685, 16.7626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4770, 38.7551, 5.4525 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, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 161, 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(207, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.4770, 38.7551, 5.4525 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, 161, 0) }
```


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

```
.border{ border-color:rgb(207, 161, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 161,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4770, 38.7551, 5.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 161, 0) }
```

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

```
.background{ background-color: rgb(207,  
161, 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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