

Converting Colors

XYZ(38.0459, 41.5138, 7.3052)

Have a look what the booklet for
XYZ(38.0459, 41.5138, 7.3052)
contains.

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Color

**XYZ(38.0258, 41.4743,
7.2975)**

Conversions

Conversions Part 1

Format	Color
Hex	C5AC1F
RGB	197, 172, 31
RGB Percent	77%, 67%, 12%
CMY	0.2275, 0.3255, 0.8784
CMYK	0.00, 0.13, 0.84, 0.23
HSL	51°, 73%, 45%
HSV	51°, 84%, 77%
XYZ	38.0258, 41.4743, 7.2975
YIQ	163.4010, 60.1610, -38.5510

Conversions

Conversions Part 2

Format	Color
RYB	60, 197, 31
Decimal	12954655
CIELab	70.51, -4.45, 67.91
CIELCh	71, 68.056, 93.748
Yxy	41.4743, 0.4381, 0.4778
Android (android.graphics.Color)	4291144735 (0xFFC5AC1F)
YUV	163.4010, -65.2737, 29.4663
Hunter-Lab	64.4005, -7.3042, 38.3620

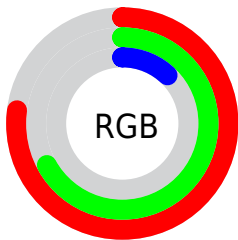
Details

The XYZ color **38.0258, 41.4743, 7.2975** 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 **12.0575, 7.1511, 53.5677**, and the grayscale version is **35.2832, 37.1207, 40.4244**.

A 20% lighter version of the original color is **70.5974, 76.9535, 21.0302**, and **17.3639, 18.9219, 2.7371** is the 20% darker color. If you saturate the color by 10%, you get **37.2832, 40.2856, 6.1369**, and if you desaturate by 10%, it is **38.9413, 42.7556, 9.2984**.

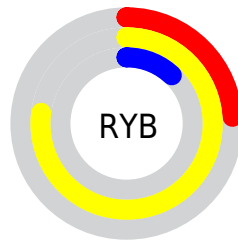
Distribution



Red (77%)

Green (67%)

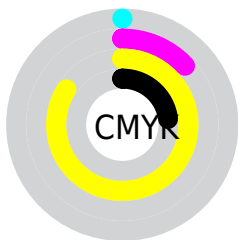
Blue (12%)



Red (24%)

Yellow (77%)

Blue (12%)

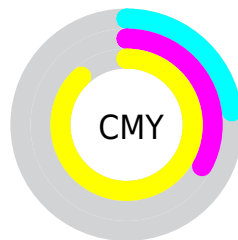


Cyan (0%)

Magenta (13%)

Yellow (84%)

Black (23%)



Cyan (23%)

Magenta (33%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0258, 41.4743, 7.2975 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 38.0258, 41.4743, 7.2975 by changing the saturation by 10% instead.

■ 38.0258, 41.4743,
7.2975

■ 38.0258, 41.4743,
7.2975

329.0096,
352.2991, 179.8370

■ 26.1800, 28.6899,
3.5676

■ 71.4513, 77.4034,
21.0922

■ 17.0917, 18.8463,
1.3913

■ 93.7618, 101.3168,
31.9941

■ 10.3956, 11.5593,
0.1349

■ 120.2912,
129.7087, 46.1238

■ 5.7263, 6.4444,
0.0000

■ 151.4048,
162.9635, 63.8997

■ 2.7185, 3.1171,
0.0000

■ 187.4682,
201.4655, 85.7404

■ 1.0067, 1.1932,
0.0000

■ 228.8465,

■ 0.0000, 0.0561,

245.5992, 112.0645

0.0000

275.9052,
295.7489, 143.2905

■ 0.0000, 0.0000,
0.0000

■ 38.0258, 41.4743,
7.2975

■ 38.0258, 41.4743,
7.2975

■ 37.2832, 40.2856,
6.1369

■ 38.9413, 42.7556,
9.2984

■ 36.9062, 39.6311,
5.7044

■ 40.0522, 44.1337,
12.2696

■ 41.3802, 45.6190,
16.3211

■ 42.9433, 47.2190,
21.5476

■ 44.7577, 48.9401,
28.0334

■ 46.8379, 50.7884,
35.8549

■ 49.1974, 52.7693,
45.0827

■ 51.8488, 54.8880,
55.7823

■ 54.8036, 57.1492,
68.0149

Harmonies

Analogous

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



49.7587, 41.4743, 9.3110



38.0258, 41.4743, 7.2975



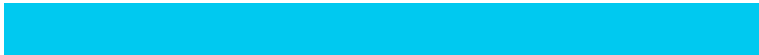
28.6037, 41.4743, 10.7938

Triad

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



38.0258, 41.4743, 7.2975



24.0588, 41.4743, 88.9411



62.1200, 41.4743, 78.3904

Complementary

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



38.0258, 41.4743, 7.2975



12.0575, 7.1511, 53.5677

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.



52.6682, 41.4743, 118.5250



38.0258, 41.4743, 7.2975



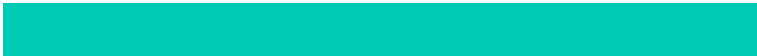
30.6229, 41.4743, 126.3817

Square

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



38.0258, 41.4743, 7.2975



21.5663, 41.4743, 49.3213



40.8480, 41.4743, 139.1908



65.1192, 41.4743, 41.2367

Rectangle

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



38.0258, 41.4743, 7.2975



24.4501, 41.4743, 17.5804



40.8480, 41.4743, 139.1908



59.5140, 41.4743, 92.4626

Sweetspot

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



38.0267, 41.4763, 7.2983



83.4454, 90.5803, 62.5203



24.2969, 13.1630, 5.3534



17.5685, 19.1314, 12.2731



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.



38.0267, 41.4763, 7.2983



65.9509, 70.6818, 10.1670



31.3121, 45.7527, 8.4777



11.3826, 12.1343, 11.3050



24.3239, 26.1649, 3.7683



1.1897, 1.3148, 0.1911

Inverse Universe

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



12.0575, 7.1511, 53.5677



18.7558, 8.6317, 95.2853



14.4371, 7.0060, 53.4143



10.1835, 10.5410, 13.4154



6.9674, 3.3287, 35.0196



0.3722, 0.2422, 1.6723

Previews

White Background



This preview shows how the XYZ color 38.0258, 41.4743, 7.2975 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 38.0258, 41.4743, 7.2975 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 38.0258, 41.4743, 7.2975

Background



This preview shows how black text looks on a background with the XYZ color 38.0258, 41.4743, 7.2975.

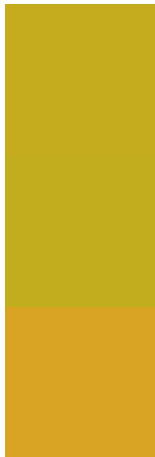


This preview shows how white text looks on a background with the XYZ color 38.0258, 41.4743,

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

38.0258, 41.4743, 7.2975

Protanopia

37.4390, 41.4554, 7.3248

Deuteranopia

42.2092, 41.4300, 7.4412



Tritanopia

45.7493, 41.3856, 44.6067

Trichromacy



Original Color

38.0258, 41.4743, 7.2975

Protanomaly

37.6966, 41.5882, 7.3368

Deuteranomaly

40.6858, 41.4546, 7.3705

Tritanomaly

41.3553, 40.6279, 23.7515

Monochromacy



Original Color

38.0258, 41.4743, 7.2975

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4099, 37.6242, 21.6683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0258, 41.4743, 7.2975 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, 172, 31)` looks like.

```
.text, #text, p{  
    color:rgb(197, 172, 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(197, 172, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 172, 31) }
```

Border

The CSS property to change the border of an element to XYZ 38.0258, 41.4743, 7.2975 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, 172, 31) }
```


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

```
.border{ border-color:rgb(197, 172, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 172, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 172, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 172, 31);  
box-shadow:4px 4px 4px 4px rgb(197, 172,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0258, 41.4743, 7.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 172, 31) }
```

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

```
.background{ background-color: rgb(197,  
172, 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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