

Converting Colors

XYZ(38.3782, 41.6417, 12.8006)

Have a look what the booklet for
XYZ(38.3782, 41.6417, 12.8006)
contains.

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Color

**XYZ(38.3052, 41.4962,
12.8281)**

Conversions

Conversions Part 1

Format	Color
Hex	C2AC4C
RGB	194, 172, 76
RGB Percent	76%, 67%, 30%
CMY	0.2392, 0.3255, 0.7020
CMYK	0.00, 0.11, 0.61, 0.24
HSL	49°, 49%, 53%
HSV	49°, 61%, 76%
XYZ	38.3052, 41.4962, 12.8281
YIQ	167.6340, 43.9280, -25.1920

Conversions

Conversions Part 2

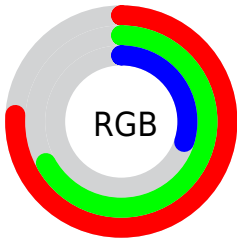
Format	Color
RYB	103, 194, 76
Decimal	12758092
CIELab	70.52, -3.61, 51.13
CIElCh	71, 51.258, 94.044
Yxy	41.4962, 0.4135, 0.4480
Android (android.graphics.Color)	4290948172 (0xFFC2AC4C)
YUV	167.6340, -45.1756, 23.1230
Hunter-Lab	64.4175, -6.5876, 33.2853

Details

The XYZ color **38.3052, 41.4962, 12.8281** is a dark color, and the websafe version is hex **999933**. The color can be described as middle muted orange. A complement of this color would be **17.0857, 14.1665, 52.8727**, and the grayscale version is **37.2402, 39.1796, 42.6666**.

A 20% lighter version of the original color is **71.8734, 77.3793, 31.5696**, and **17.1778, 18.8092, 3.4842** is the 20% darker color. If you saturate the color by 10%, you get **37.0513, 39.9099, 9.5697**, and if you desaturate by 10%, it is **39.7832, 43.2052, 17.1653**.

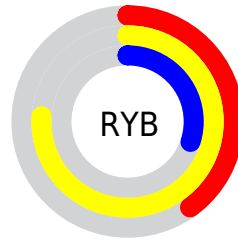
Distribution



Red (76%)

Green (67%)

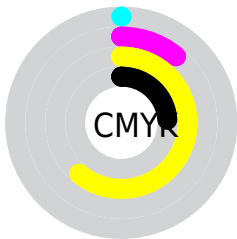
Blue (30%)



Red (40%)

Yellow (76%)

Blue (30%)

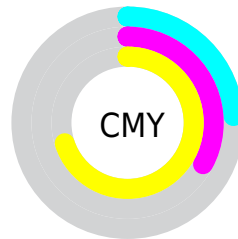


Cyan (0%)

Magenta (11%)

Yellow (61%)

Black (24%)



Cyan (24%)

Magenta (33%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3052, 41.4962, 12.8281 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 38.3052, 41.4962, 12.8281 by changing the saturation by 10% instead.

■ 38.3052, 41.4962,
12.8281

■ 38.3052, 41.4962,
12.8281

330.1857,
352.3902, 220.9820

■ 26.3979, 28.7070,
7.1809

■ 71.8766, 77.4366,
31.6813

■ 17.2558, 18.8593,
3.4954

■ 94.2714, 101.3565,
45.7243

■ 10.5135, 11.5686,
1.3528

■ 120.8928,
129.7556, 63.4032

■ 5.8056, 6.4507,
0.1045

■ 152.1061,
163.0180, 85.1362

■ 2.7668, 3.1210,
0.0000

■ 188.2767,
201.5283, 111.3421

■ 1.0317, 1.1952,
0.0000

229.7699,

■ 0.0000, 0.0578,

245.6709, 142.4394

0.0000

276.9511,
295.8300, 178.8465

■ 0.0000, 0.0000,
0.0000

■ 38.3052, 41.4962,
12.8281

■ 38.3052, 41.4962,
12.8281

■ 37.0513, 39.9099,
9.5697

■ 39.7832, 43.2052,
17.1653

■ 35.9994, 38.4326,
7.2878

■ 41.4990, 45.0380,
22.6661

■ 35.1279, 37.0569,
5.8651

■ 43.4686, 47.0028,
29.4098

■ 34.4474, 35.8679,
5.1076

■ 45.7058, 49.1052,
37.4678

■ 48.2232, 51.3506,
46.9064

■ 51.0327, 53.7440,
57.7872

■ 54.1454, 56.2899,
70.1680

■ 57.5718, 58.9929,
84.1036

■ 61.3219, 61.8571,
99.6460

Harmonies

Analogous

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



46.9955, 41.4962, 14.9110



38.3052, 41.4962, 12.8281



31.0193, 41.4962, 16.5351

Triad

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



38.3052, 41.4962, 12.8281



27.4420, 41.4962, 76.5929



55.9443, 41.4962, 68.7867

Complementary

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



38.3052, 41.4962, 12.8281



17.0857, 14.1665, 52.8727

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.



49.2635, 41.4962, 95.8050



38.3052, 41.4962, 12.8281



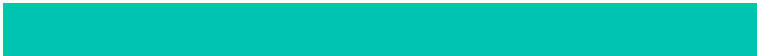
32.7426, 41.4962, 101.3285

Square

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



38.3052, 41.4962, 12.8281



25.3413, 41.4962, 48.5468



40.5988, 41.4962, 109.3838



57.9885, 41.4962, 41.9770

Rectangle

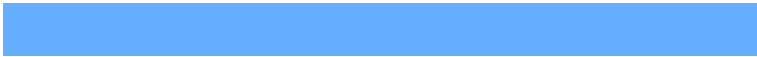
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.3052, 41.4962, 12.8281



27.6872, 41.4962, 22.9815



40.5988, 41.4962, 109.3838



54.1236, 41.4962, 78.4178

Sweetspot

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



38.3062, 41.4982, 12.8289



83.9163, 89.9742, 71.9812



27.1137, 17.5509, 13.9145



18.0937, 19.4458, 14.7173



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.



38.3062, 41.4982, 12.8289



66.4534, 71.3930, 15.7725



34.8153, 46.4354, 13.9659



10.7487, 11.4288, 10.7013



22.7042, 23.6942, 3.3768



1.0233, 1.1083, 0.1600

Inverse Universe

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



17.0857, 14.1665, 52.8727



24.8392, 17.8954, 94.6148



18.9284, 12.4699, 52.4481



9.6769, 10.0450, 12.7137



6.8651, 3.4866, 33.8678



0.3437, 0.2448, 1.4790

Previews

White Background



This preview shows how the XYZ color 38.3052, 41.4962, 12.8281 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 38.3052, 41.4962, 12.8281 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 38.3052, 41.4962, 12.8281

Background



This preview shows how black text looks on a background with the XYZ color 38.3052, 41.4962, 12.8281.



This preview shows how white text looks on a background with the XYZ color 38.3052, 41.4962,

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

38.3052, 41.4962, 12.8281

Protanopia

37.9863, 41.6154, 12.8680

Deuteranopia

42.3822, 41.3971, 12.9644



Tritanopia

45.1889, 41.5932, 45.6910

Trichromacy



Original Color

38.3052, 41.4962, 12.8281

Protanomaly

38.2404, 41.7464, 12.8799

Deuteranomaly

40.8904, 41.4387, 12.8645

Tritanomaly

42.0431, 41.3868, 29.8173

Monochromacy



Original Color

38.3052, 41.4962, 12.8281

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.6926, 39.4723, 28.6067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3052, 41.4962, 12.8281 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(194, 172, 76)` looks like.

```
.text, #text, p{  
    color:rgb(194, 172, 76)  
}
```

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(194, 172, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 172, 76) }
```

Border

The CSS property to change the border of an element to XYZ 38.3052, 41.4962, 12.8281 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(194, 172, 76) }
```


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

```
.border{ border-color:rgb(194, 172, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 172, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 172, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 172, 76);  
box-shadow:4px 4px 4px 4px rgb(194, 172,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3052, 41.4962, 12.8281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 172, 76) }
```

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

```
.background{ background-color: rgb(194,  
172, 76) }
```

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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