

Converting Colors

XYZ(41.6994, 38.5268, 3.6133)

Have a look what the booklet for
XYZ(41.6994, 38.5268, 3.6133)
contains.

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Color

**XYZ(41.8227, 38.4704,
5.2212)**

Conversions

Conversions Part 1

Format	Color
Hex	DF9900
RGB	223, 153, 0
RGB Percent	87%, 60%, 0%
CMY	0.1255, 0.4000, 1.0000
CMYK	0.00, 0.31, 1.00, 0.13
HSL	41°, 100%, 44%
HSV	41°, 100%, 87%
XYZ	41.8227, 38.4704, 5.2212
YIQ	156.4880, 90.8330, -32.7430

Conversions

Conversions Part 2

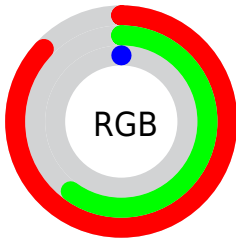
Format	Color
RYB	102, 223, 0
Decimal	14653696
CIELab	68.37, 16.66, 72.80
CIELCh	68, 74.679, 77.113
Yxy	38.4704, 0.4891, 0.4499
Android (android.graphics.Color)	4292843776 (0xFFDF9900)
YUV	156.4880, -77.1486, 58.3310
Hunter-Lab	62.0245, 11.8184, 38.4261

Details

The XYZ color **41.8227, 38.4704, 5.2212** 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 **15.5099, 9.7088, 70.8682**, and the grayscale version is **32.1260, 33.7991, 36.8072**.

A 20% lighter version of the original color is **64.8573, 66.4074, 16.2370**, and **19.6517, 17.1841, 2.2811** is the 20% darker color. If you saturate the color by 10%, you get **41.8229, 38.4711, 5.2214**, and if you desaturate by 10%, it is **43.1509, 40.8906, 6.3933**.

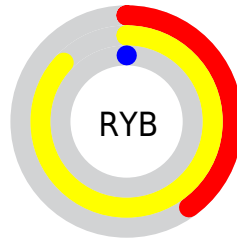
Distribution



Red (87%)

Green (60%)

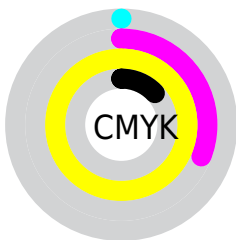
Blue (0%)



Red (40%)

Yellow (87%)

Blue (0%)

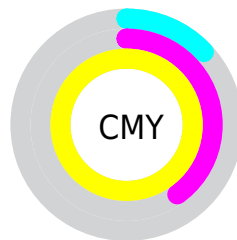


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8227, 38.4704, 5.2212 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 41.8227, 38.4704, 5.2212 by changing the saturation by 10% instead.


 41.8227, 38.4704,
5.2212


 41.8227, 38.4704,
5.2212


344.7516,
339.6336, 160.9612

 29.1530, 26.3480,
2.3166


 77.1981, 72.8286,
16.7405


 19.3414, 17.0841,
0.7405


 100.6344, 95.8331,
26.1923

 12.0227, 10.2945,
0.0000


 128.3904,
123.2338, 38.6636

 6.8315, 5.5947,
0.0000

 160.8313,
155.4151, 54.5729

 3.4023, 2.6002,
0.0000

 198.3225,
192.7613, 74.3387


 1.3699, 0.9268,
0.0000

 241.2294,


 0.2346, 0.0000,


235.6568, 98.3797


0.0000


 289.9173,
284.4861, 127.1143


 0.0000, 0.0000,
0.0000


 41.8227, 38.4704,
5.2212


 41.8227, 38.4704,
5.2212


 41.8229, 38.4711,
5.2214

 43.1509, 40.8906,
6.3933

 44.7172, 43.5138,
8.4858

 46.5788, 46.3662,
11.7910

 48.7682, 49.4625,
16.4748

 51.3130, 52.8153,
22.6770

■ 54.2373, 56.4361,
30.5202

■ 57.5630, 60.3350,
40.1141

■ 61.3100, 64.5216,
51.5591

■ 65.4968, 69.0050,
64.9480

Harmonies

Analogous

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



54.1382, 38.4704, 10.1692



41.8227, 38.4704, 5.2212



30.3287, 38.4704, 5.5345

Triad

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



41.8227, 38.4704, 5.2212



18.9845, 38.4704, 63.8846



55.6786, 38.4704, 102.9215

Complementary

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



41.8227, 38.4704, 5.2212



15.5099, 9.7088, 70.8682

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.



43.6024, 38.4704, 138.7498



41.8227, 38.4704, 5.2212



23.2769, 38.4704, 109.1697

Square

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



41.8227, 38.4704, 5.2212



18.7081, 38.4704, 29.0837



31.7674, 38.4704, 141.5041



63.2140, 38.4704, 57.9868

Rectangle

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



41.8227, 38.4704, 5.2212



24.5871, 38.4704, 8.6287



31.7674, 38.4704, 141.5041



51.9114, 38.4704, 117.2732

Sweetspot

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



41.8236, 38.4724, 5.2219



77.8986, 81.6393, 54.0354



31.5567, 16.1383, 7.3501



16.2503, 16.9845, 10.3249



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.



41.8236, 38.4724, 5.2219



56.5618, 51.9036, 7.0373



45.7070, 62.7346, 9.7003



14.4899, 15.2658, 14.4897



24.6967, 22.8313, 3.1052



1.7909, 1.7406, 0.2416

Inverse Universe

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



15.5099, 9.7088, 70.8682



20.9217, 12.9635, 96.0072



14.2295, 5.7972, 70.1807



13.3014, 13.9418, 17.3777



9.2086, 5.8868, 41.6993



0.7166, 0.5647, 2.9165

Previews

White Background



This preview shows how the XYZ color 41.8227, 38.4704, 5.2212 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 41.8227, 38.4704, 5.2212 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 41.8227, 38.4704, 5.2212

Background



This preview shows how black text looks on a background with the XYZ color 41.8227, 38.4704, 5.2212.



This preview shows how white text looks on a background with the XYZ color 41.8227, 38.4704,

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

41.8227, 38.4704, 5.2212

Protanopia

35.0682, 38.8558, 6.0671

Deuteranopia

39.0908, 38.3026, 5.3328



Tritanopia

48.0559, 38.4689, 35.0294

Trichromacy



Original Color

41.8227, 38.4704, 5.2212

Protanomaly

37.2339, 38.6316, 5.7527

Deuteranomaly

39.9128, 38.2240, 5.2743

Tritanomaly

44.1151, 37.7517, 16.2710

Monochromacy



Original Color

41.8227, 38.4704, 5.2212

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.7959, 34.0468, 16.6475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8227, 38.4704, 5.2212 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(223, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 153, 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(223, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.8227, 38.4704, 5.2212 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(223, 153, 0) }
```


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

```
.border{ border-color:rgb(223, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 153,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8227, 38.4704, 5.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 153, 0) }
```

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

```
.background{ background-color: rgb(223,  
153, 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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