

Converting Colors

XYZ(45.1385, 38.1205, 5.0985)

Have a look what the booklet for
XYZ(45.1385, 38.1205, 5.0985)
contains.

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Color

**XYZ(45.2551, 38.1324,
5.0900)**

Conversions

Conversions Part 1

Format	Color
Hex	EE9004
RGB	238, 144, 4
RGB Percent	93%, 56%, 2%
CMY	0.0667, 0.4353, 0.9843
CMYK	0.00, 0.39, 0.98, 0.07
HSL	36°, 97%, 47%
HSV	36°, 98%, 93%
XYZ	45.2551, 38.1324, 5.0900
YIQ	156.1460, 100.9640, -23.6120

Conversions

Conversions Part 2

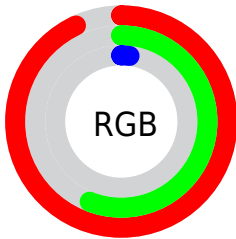
Format	Color
RYB	161, 238, 4
Decimal	15634436
CIELab	68.12, 27.85, 72.98
CIELCh	68, 78.119, 69.110
Yxy	38.1324, 0.5115, 0.4310
Android (android.graphics.Color)	4293824516 (0xFFEE9004)
YUV	156.1460, -75.0080, 71.7860
Hunter-Lab	61.7514, 22.7503, 38.3389

Details

The XYZ color **45.2551, 38.1324, 5.0900** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **19.8510, 14.9354, 82.7249**, and the grayscale version is **31.9599, 33.6243, 36.6169**.

A 20% lighter version of the original color is **62.7386, 62.1700, 15.5308**, and **21.5935, 16.9427, 2.1322** is the 20% darker color. If you saturate the color by 10%, you get **44.9915, 37.6406, 4.8941**, and if you desaturate by 10%, it is **46.9513, 41.2286, 6.5703**.

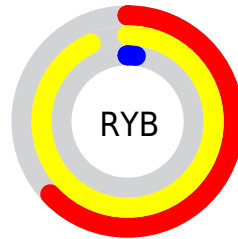
Distribution



Red (93%)

Green (56%)

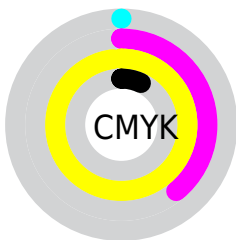
Blue (2%)



Red (63%)

Yellow (93%)

Blue (2%)

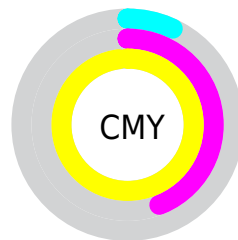


Cyan (0%)

Magenta (39%)

Yellow (98%)

Black (7%)



Cyan (7%)


Magenta (44%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2551, 38.1324, 5.0900 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 45.2551, 38.1324, 5.0900 by changing the saturation by 10% instead.


 45.2551, 38.1324,
5.0900


 45.2551, 38.1324,
5.0900


358.5721,
338.1876, 159.6638


 31.8605, 26.0855,
2.2405


 82.3378, 72.3110,
16.4544

 21.4100, 16.8876,
0.6976


 106.7566, 95.2115,
25.8064

 13.5382, 10.1544,
0.0000


 135.5810,
122.4986, 38.1631

 7.8797, 5.5014,
0.0000

 169.1761,
154.5568, 53.9428

 4.0692, 2.5444,
0.0000

 207.9074,
191.7704, 73.5642


 1.7414, 0.8988,
0.0000

 252.1403,


 0.4820, 0.0000,


234.5238, 97.4458


0.0000


 302.2401,
283.2014, 126.0061


 0.0000, 0.0000,
0.0000

 45.2551, 38.1324,
5.0900


 45.2551, 38.1324,
5.0900


 44.9915, 37.6406,
4.8941

 46.9513, 41.2286,
6.5703

 48.9907, 44.6613,
9.2418

 51.4277, 48.4584,
13.3739

 54.3010, 52.6398,
19.1565

 57.6434, 57.2230,
26.7503

■ 61.4844, 62.2236,
36.2968

■ 65.8504, 67.6564,
47.9234

■ 70.7659, 73.5350,
61.7465

■ 76.2535, 79.8722,
77.8739

Harmonies

Analogous

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



57.6294, 38.1324, 11.9487



45.2551, 38.1324, 5.0900



32.6595, 38.1324, 4.2602

Triad

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



45.2551, 38.1324, 5.0900



17.6845, 38.1324, 53.0745



53.1210, 38.1324, 118.3677

Complementary

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



45.2551, 38.1324, 5.0900



19.8510, 14.9354, 82.7249

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.



40.0809, 38.1324, 149.2436



45.2551, 38.1324, 5.0900



20.9358, 38.1324, 99.8515

Square

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



45.2551, 38.1324, 5.0900



18.4670, 38.1324, 21.8972



28.5158, 38.1324, 141.0364



62.8317, 38.1324, 70.3316

Rectangle

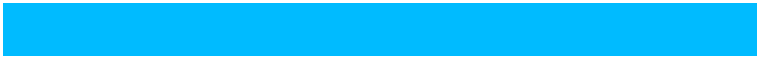
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.2551, 38.1324, 5.0900



25.9997, 38.1324, 6.1604



28.5158, 38.1324, 141.0364



48.8769, 38.1324, 132.0494

Sweetspot

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



45.2559, 38.1344, 5.0907



76.5904, 78.6079, 54.8790



37.6771, 19.2137, 14.1656



15.9136, 16.2333, 10.4529



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.



45.2559, 38.1344, 5.0907



52.5603, 43.9006, 5.7034



59.6597, 76.1402, 11.6674



16.5593, 17.3318, 16.6223



25.2310, 21.2600, 2.7738



2.1961, 1.9630, 0.2631

Inverse Universe

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



19.8510, 14.9354, 82.7249



22.8441, 16.8083, 96.6480



15.8413, 6.4484, 81.2981



15.4184, 16.2710, 20.0496



11.0421, 8.3085, 46.1496



1.0135, 0.8810, 3.8708

Previews

White Background



This preview shows how the XYZ color 45.2551, 38.1324, 5.0900 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 45.2551, 38.1324, 5.0900 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 45.2551, 38.1324, 5.0900

Background



This preview shows how black text looks on a background with the XYZ color 45.2551, 38.1324, 5.0900.



This preview shows how white text looks on a background with the XYZ color 45.2551, 38.1324,

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

45.2551, 38.1324, 5.0900

Protanopia

34.6669, 38.3725, 6.1518

Deuteranopia

38.8052, 38.1554, 5.3195



Tritanopia

50.5213, 38.1185, 31.0804

Trichromacy



Original Color

45.2551, 38.1324, 5.0900

Protanomaly

37.9244, 37.9471, 5.7065

Deuteranomaly

40.9119, 38.0003, 5.2072

Tritanomaly

47.3399, 37.6680, 15.1315

Monochromacy



Original Color

45.2551, 38.1324, 5.0900

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.8269, 33.8352, 17.0599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2551, 38.1324, 5.0900 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(238, 144, 4)` looks like.

```
.text, #text, p{  
    color:rgb(238, 144, 4)  
}
```

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(238, 144, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 144, 4) }
```

Border

The CSS property to change the border of an element to XYZ 45.2551, 38.1324, 5.0900 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(238, 144, 4) }
```


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

```
.border{ border-color:rgb(238, 144, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 144, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 144, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 144, 4);  
box-shadow:4px 4px 4px 4px rgb(238, 144,  
4) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2551, 38.1324, 5.0900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 144, 4) }
```

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

```
.background{ background-color: rgb(238,  
144, 4) }
```

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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