

Converting Colors

XYZ(38.5973, 30.1917, 3.7933)

Have a look what the booklet for
XYZ(38.5973, 30.1917, 3.7933)
contains.

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Color

**XYZ(38.6381, 30.2500,
3.8024)**

Conversions

Conversions Part 1

Format	Color
Hex	E37A00
RGB	227, 122, 0
RGB Percent	89%, 48%, 0%
CMY	0.1098, 0.5215, 1.0000
CMYK	0.00, 0.46, 1.00, 0.11
HSL	32°, 100%, 45%
HSV	32°, 100%, 89%
XYZ	38.6381, 30.2500, 3.8024
YIQ	139.4870, 101.7420, -15.6820

Conversions

Conversions Part 2

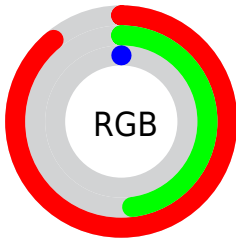
Format	Color
RYB	195, 227, 0
Decimal	14907904
CIELab	61.87, 34.75, 68.88
CIELCh	62, 77.153, 63.231
Yxy	30.2500, 0.5315, 0.4161
Android (android.graphics.Color)	4293097984 (0xFFE37A00)
YUV	139.4870, -68.7671, 76.7489
Hunter-Lab	55.0000, 29.1482, 34.4010

Details

The XYZ color **38.6381, 30.2500, 3.8024** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **18.9168, 15.6494, 74.6960**, and the grayscale version is **24.9600, 26.2598, 28.5970**.

A 20% lighter version of the original color is **57.6755, 52.3621, 12.8614**, and **17.5631, 12.3990, 1.4676** is the 20% darker color. If you saturate the color by 10%, you get **38.6382, 30.2506, 3.8025**, and if you desaturate by 10%, it is **40.1502, 33.0318, 5.0550**.

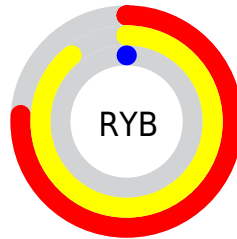
Distribution



Red (89%)

Green (48%)

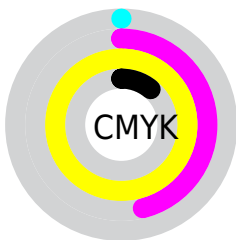
Blue (0%)



Red (76%)

Yellow (89%)

Blue (0%)

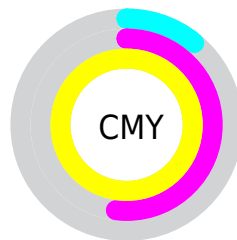


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6381, 30.2500, 3.8024 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 38.6381, 30.2500, 3.8024 by changing the saturation by 10% instead.


 38.6381, 30.2500,
3.8024


 38.6381, 30.2500,
3.8024

331.5831,
303.0680, 146.0031


 26.6578, 20.0284,
1.5176


 72.3827, 60.0573,
13.5514

 17.4516, 12.4157,
0.2310


 94.8778, 80.4118,
21.8527


 10.6543, 7.0275,
0.0000


 121.6084,
104.9128, 32.9965

 5.9005, 3.4793,
0.0000

 152.9400,
133.9446, 47.4015

 2.8247, 1.3868,
0.0000

 189.2379,
167.8916, 65.4860

 1.0618, 0.2069,
0.0000

 230.8675,

 0.0000, 0.0000,

207.1383, 87.6688

0.0000

278.1941,
252.0689, 114.3683

38.6381, 30.2500,
3.8024

38.6381, 30.2500,
3.8024

38.6382, 30.2506,
3.8025

40.1502, 33.0318,
5.0550

41.9833, 36.1703,
7.2929

44.1992, 39.6979,
10.8192

46.8349, 43.6358,
15.8084

49.9215, 48.0022,
22.4076

■ 53.4871, 52.8143,
30.7455

■ 57.5567, 58.0875,
40.9378

■ 62.1537, 63.8366,
53.0900

■ 67.2995, 70.0755,
67.2997

Harmonies

Analogous

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



48.7297, 30.2500, 10.5899



38.6381, 30.2500, 3.8024



27.6485, 30.2500, 2.5508

Triad

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



38.6381, 30.2500, 3.8024



13.1516, 30.2500, 36.2426



41.0436, 30.2500, 106.9243

Complementary

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



38.6381, 30.2500, 3.8024



18.9168, 15.6494, 74.6960

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.



29.8838, 30.2500, 128.3792



38.6381, 30.2500, 3.8024



15.1514, 30.2500, 74.8845

Square

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



38.6381, 30.2500, 3.8024



14.4339, 30.2500, 13.4106



20.7144, 30.2500, 114.0962



50.3357, 30.2500, 65.7023

Rectangle

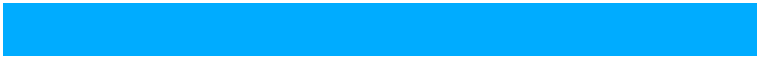
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.6381, 30.2500, 3.8024



21.6187, 30.2500, 3.4619



20.7144, 30.2500, 114.0962



37.3029, 30.2500, 117.5215

Sweetspot

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



38.6388, 30.2516, 3.8029



74.8186, 75.4794, 53.0088



34.2767, 17.3703, 15.1649



15.5167, 15.5173, 10.0804



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.



38.6388, 30.2516, 3.8029



50.1931, 39.1662, 4.9144



56.8127, 70.0650, 10.5298



15.0154, 15.6446, 15.1328



22.6521, 17.8784, 2.2570



1.7667, 1.5066, 0.1977

Inverse Universe

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



18.9168, 15.6494, 74.6960



24.5223, 20.1645, 97.2074



13.9599, 5.5951, 73.0166



14.1295, 14.9803, 18.2911



11.1461, 9.3544, 43.6013



0.9158, 0.8755, 3.2527

Previews

White Background



This preview shows how the XYZ color 38.6381, 30.2500, 3.8024 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 38.6381, 30.2500, 3.8024 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 38.6381, 30.2500, 3.8024

Background



This preview shows how black text looks on a background with the XYZ color 38.6381, 30.2500, 3.8024.



This preview shows how white text looks on a background with the XYZ color 38.6381, 30.2500,

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

38.6381, 30.2500, 3.8024

Protanopia

27.3861, 30.2947, 5.0202

Deuteranopia

30.9082, 30.2932, 4.2181



Tritanopia

42.3113, 30.1797, 21.6844

Trichromacy



Original Color

38.6381, 30.2500, 3.8024

Protanomaly

30.6796, 29.7299, 4.4693

Deuteranomaly

33.2926, 30.0245, 4.0406

Tritanomaly

40.2181, 29.8496, 10.6630

Monochromacy



Original Color

38.6381, 30.2500, 3.8024

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.9436, 26.1376, 12.8575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6381, 30.2500, 3.8024 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(227, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 122, 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(227, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.6381, 30.2500, 3.8024 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(227, 122, 0) }
```


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

```
.border{ border-color:rgb(227, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6381, 30.2500, 3.8024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 122, 0) }
```

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

```
.background{ background-color: rgb(227,  
122, 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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