

Converting Colors

XYZ(42.4260, 37.8258, 5.0650)

Have a look what the booklet for
XYZ(42.4260, 37.8258, 5.0650)
contains.

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Color

**XYZ(42.4260, 37.8258,
5.0650)**

Conversions

Conversions Part 1

Format	Color
Hex	E39500
RGB	227, 149, 0
RGB Percent	89%, 58%, 0%
CMY	0.1098, 0.4157, 1.0000
CMYK	0.00, 0.34, 1.00, 0.11
HSL	39°, 100%, 45%
HSV	39°, 100%, 89%
XYZ	42.4260, 37.8258, 5.0650
YIQ	155.3360, 94.3170, -29.8030

Conversions

Conversions Part 2

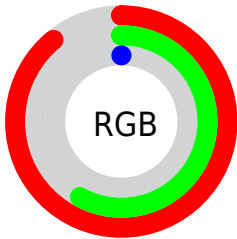
Format	Color
R_{YB}	119, 227, 0
Decimal	14914816
CIE _{Lab}	67.89, 20.52, 72.71
CIE _{LCh}	68, 75.552, 74.242
Yxy	37.8258, 0.4973, 0.4434
Android (android.graphics.Color)	4293104896 (0xFFE39500)
YUV	155.3360, -76.5806, 62.8493
Hunter-Lab	61.5027, 15.5038, 38.1691

Details

The XYZ color **42.4260, 37.8258, 5.0650** 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 **16.5899, 10.9955, 73.9204**, and the grayscale version is **31.6062, 33.2522, 36.2116**.

A 20% lighter version of the original color is **63.8659, 64.4799, 15.7364**, and **19.8847, 16.7347, 2.1821** is the 20% darker color. If you saturate the color by 10%, you get **42.4261, 37.8264, 5.0651**, and if you desaturate by 10%, it is **43.8543, 40.4399, 6.2899**.

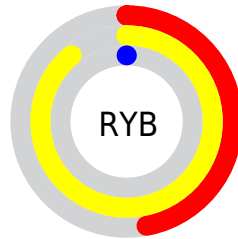
Distribution



Red (89%)

Green (58%)

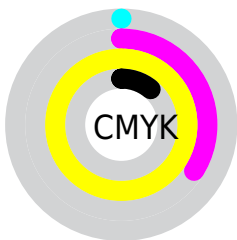
Blue (0%)



Red (47%)

Yellow (89%)

Blue (0%)

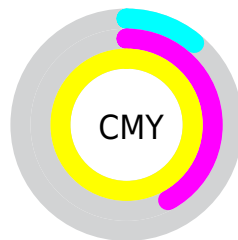


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4260, 37.8258, 5.0650 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 42.4260, 37.8258, 5.0650 by changing the saturation by 10% instead.


 42.4260, 37.8258,
5.0650


 42.4260, 37.8258,
5.0650


347.2075,
336.8721, 159.4148

 29.6276, 25.8475,
2.2260


 78.1051, 71.8411,
16.3997


 19.7027, 16.7096,
0.6893


 101.7164, 94.6468,
25.7326

 12.2862, 10.0277,
0.0000


 129.6628,
121.8305, 38.0672

 7.0125, 5.4173,
0.0000


 162.3096,
153.7766, 53.8221

 3.5163, 2.4941,
0.0000

 200.0221,
190.8694, 73.4157

 1.4323, 0.8737,
0.0000

 243.1657,

 0.2791, 0.0000,

233.4933, 97.2667

0.0000

292.1057,
282.0327, 125.7936

0.0000, 0.0000,
0.0000

42.4260, 37.8258,
5.0650

42.4260, 37.8258,
5.0650

42.4261, 37.8264,
5.0651

43.8543, 40.4399,
6.2899

45.5441, 43.2917,
8.4801

47.5549, 46.4092,
11.9382

49.9212, 49.8083,
16.8379

52.6721, 53.5031,
23.3253

■ 55.8332, 57.5061,
31.5286

■ 59.4276, 61.8288,
41.5627

■ 63.4764, 66.4816,
53.5324

■ 67.9995, 71.4747,
67.5348

Harmonies

Analogous

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



54.6334, 37.8258, 10.5738



42.4260, 37.8258, 5.0650



30.6882, 37.8258, 4.9565

Triad

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



42.4260, 37.8258, 5.0650



18.2346, 37.8258, 59.1917



54.0782, 37.8258, 106.8809

Complementary

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



42.4260, 37.8258, 5.0650



16.5899, 10.9955, 73.9204

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.



41.7863, 37.8258, 140.7569



42.4260, 37.8258, 5.0650



22.1041, 37.8258, 104.6176

Square

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



42.4260, 37.8258, 5.0650



18.3329, 37.8258, 26.0276



30.1731, 37.8258, 139.7568



62.2940, 37.8258, 61.3166

Rectangle

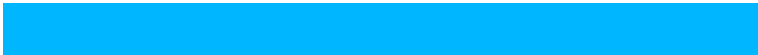
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.4260, 37.8258, 5.0650



24.7043, 37.8258, 7.5553



30.1731, 37.8258, 139.7568



50.1819, 37.8258, 120.8915

Sweetspot

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



42.4268, 37.8278, 5.0657



77.2666, 80.3753, 53.8248



33.1064, 16.9022, 9.0023



16.0992, 16.6822, 10.2745



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.



42.4268, 37.8278, 5.0657



55.1288, 49.0377, 6.5596



49.4488, 66.2688, 10.1853



15.1628, 15.9396, 15.1819



24.8559, 22.2859, 2.9916



1.9224, 1.8182, 0.2496

Inverse Universe

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



16.5899, 10.9955, 73.9204



21.5084, 14.1369, 96.2028



14.5268, 5.8874, 73.0432



13.9857, 14.6928, 18.2432



9.7727, 6.6076, 43.1435



0.8062, 0.6563, 3.2162

Previews

White Background



This preview shows how the XYZ color 42.4260, 37.8258, 5.0650 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 42.4260, 37.8258, 5.0650 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 42.4260, 37.8258, 5.0650

Background



This preview shows how black text looks on a background with the XYZ color 42.4260, 37.8258, 5.0650.



This preview shows how white text looks on a background with the XYZ color 42.4260, 37.8258,

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

42.4260, 37.8258, 5.0650

Protanopia

34.2233, 37.8746, 5.9970

Tritanopia

48.2617, 37.9588, 33.2169

Trichromacy



Original Color

42.4260, 37.8258, 5.0650

Protanomaly

36.9827, 37.7201, 5.6187

Tritanomaly

44.8430, 37.4601, 15.6935

Monochromacy



Original Color

42.4260, 37.8258, 5.0650

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.6994, 33.5071, 16.5484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4260, 37.8258, 5.0650 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, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 149, 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, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.4260, 37.8258, 5.0650 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, 149, 0) }
```

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

```
.border{ border-color:rgb(227, 149, 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, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 149,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 42.4260, 37.8258, 5.0650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 149, 0) }
```

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

```
.background{ background-color: rgb(227,  
149, 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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