

Converting Colors

XYZ(42.8350, 37.0653, 4.9133)

Have a look what the booklet for
XYZ(42.8350, 37.0653, 4.9133)
contains.

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Color

**XYZ(42.7640, 37.0760,
4.9312)**

Conversions

Conversions Part 1

Format	Color
Hex	E69101
RGB	230, 145, 1
RGB Percent	90%, 57%, 0%
CMY	0.0980, 0.4313, 0.9960
CMYK	0.00, 0.37, 1.00, 0.10
HSL	38°, 99%, 45%
HSV	38°, 100%, 90%
XYZ	42.7640, 37.0760, 4.9312
YIQ	153.9990, 96.8840, -26.7640

Conversions

Conversions Part 2

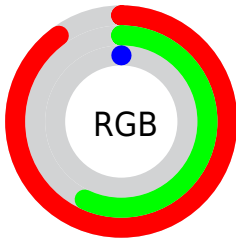
Format	Color
R_{YB}	136, 230, 1
Decimal	15110401
CIE _{Lab}	67.33, 23.94, 72.39
CIE _{LCh}	67, 76.244, 71.704
Yxy	37.0760, 0.5045, 0.4374
Android (android.graphics.Color)	4293300481 (0xFFE69101)
YUV	153.9990, -75.4285, 66.6529
Hunter-Lab	60.8901, 18.8056, 37.8214

Details

The XYZ color **42.7640, 37.0760, 4.9312** 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 **17.6236, 12.3760, 76.3222**, and the grayscale version is **31.0074, 32.6222, 35.5255**.

A 20% lighter version of the original color is **62.9334, 62.6148, 15.4255**, and **20.1512, 16.3302, 2.0900** is the 20% darker color. If you saturate the color by 10%, you get **42.7019, 36.9611, 4.8836**, and if you desaturate by 10%, it is **44.2782, 39.8497, 6.2229**.

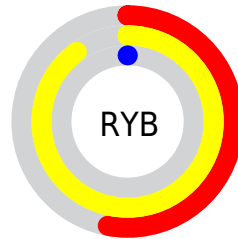
Distribution



Red (90%)

Green (57%)

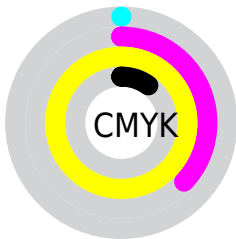
Blue (0%)



Red (53%)

Yellow (90%)

Blue (0%)

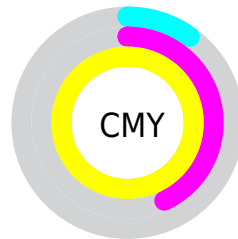


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7640, 37.0760, 4.9312 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 42.7640, 37.0760, 4.9312 by changing the saturation by 10% instead.


 42.7640, 37.0760,
4.9312


 42.7640, 37.0760,
4.9312


348.5783,
333.6394, 158.0729


 29.8937, 25.2663,
2.1489


 78.6125, 70.6897,
16.1061


 19.9056, 16.2756,
0.6447


 102.3215, 93.2624,
25.3357


 12.4343, 9.7194,
0.0000


 130.3741,
120.1917, 37.5516

 7.1145, 5.2133,
0.0000

 163.1356,
151.8619, 53.1722

 3.5808, 2.3730,
0.0000

 200.9714,
188.6574, 72.6161

 1.4678, 0.8119,
0.0000

 244.2469,

 0.3038, 0.0000,

230.9625, 96.3018

0.0000

293.3274,
279.1617, 124.6479

0.0000, 0.0000,
0.0000

42.7640, 37.0760,
4.9312

42.7640, 37.0760,
4.9312

42.7019, 36.9611,
4.8836

44.2782, 39.8497,
6.2229

46.0807, 42.8972,
8.5419

48.2294, 46.2466,
12.1809

50.7601, 49.9153,
17.3180

53.7032, 53.9186,
24.1035

■ 57.0852, 58.2699,
32.6691

■ 60.9305, 62.9819,
43.1333

■ 65.2611, 68.0663,
55.6039

■ 70.0977, 73.5341,
70.1809

Harmonies

Analogous

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



54.7884, 37.0760, 10.9320



42.7640, 37.0760, 4.9312



30.8808, 37.0760, 4.4751

Triad

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



42.7640, 37.0760, 4.9312



17.5169, 37.0760, 54.8599



52.3760, 37.0760, 109.8699

Complementary

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



42.7640, 37.0760, 4.9312



17.6236, 12.3760, 76.3222

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.



39.9905, 37.0760, 141.6635



42.7640, 37.0760, 4.9312



21.0008, 37.0760, 99.9951

Square

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



42.7640, 37.0760, 4.9312



17.9393, 37.0760, 23.3687



28.6541, 37.0760, 137.2924



61.1274, 37.0760, 64.0920

Rectangle

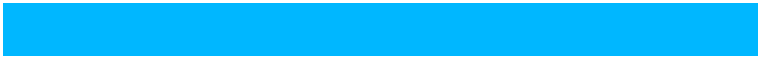
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.7640, 37.0760, 4.9312



24.7133, 37.0760, 6.6629



28.6541, 37.0760, 137.2924



48.3969, 37.0760, 123.4451

Sweetspot

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



42.7648, 37.0779, 4.9319



76.6876, 79.2172, 53.6318



34.4382, 17.5626, 10.9800



15.9609, 16.4058, 10.2285



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.



42.7648, 37.0779, 4.9319



53.8720, 46.5240, 6.1407



53.0081, 69.3318, 10.6176



15.1284, 15.8708, 15.1705



24.2965, 21.1671, 2.8051



1.8837, 1.7406, 0.2367

Inverse Universe

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



17.6236, 12.3760, 76.3222



22.1105, 15.3411, 96.4035



14.7653, 5.9782, 75.2379



14.0188, 14.7590, 18.2542



10.0492, 7.1606, 43.2356



0.8292, 0.7024, 3.2238

Previews

White Background



This preview shows how the XYZ color 42.7640, 37.0760, 4.9312 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 42.7640, 37.0760, 4.9312 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 42.7640, 37.0760, 4.9312

Background



This preview shows how black text looks on a background with the XYZ color 42.7640, 37.0760, 4.9312.



This preview shows how white text looks on a background with the XYZ color 42.7640, 37.0760,

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

42.7640, 37.0760, 4.9312

Protanopia

33.5639, 37.2650, 5.9542

Deuteranopia

37.9009, 37.1868, 5.1802



Tritanopia

48.3669, 37.2051, 31.4202

Trichromacy



Original Color

42.7640, 37.0760, 4.9312

Protanomaly

36.3747, 36.8954, 5.5210

Deuteranomaly

39.5471, 37.0554, 5.0680

Tritanomaly

45.1401, 36.7480, 15.0699

Monochromacy



Original Color

42.7640, 37.0760, 4.9312

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.5626, 32.9601, 16.2010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7640, 37.0760, 4.9312 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(230, 145, 1)` looks like.

```
.text, #text, p{  
    color:rgb(230, 145, 1)  
}
```

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(230, 145, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 145, 1) }
```

Border

The CSS property to change the border of an element to XYZ 42.7640, 37.0760, 4.9312 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(230, 145, 1) }
```


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

```
.border{ border-color:rgb(230, 145, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 145, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 145, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 145, 1);  
box-shadow:4px 4px 4px 4px rgb(230, 145,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7640, 37.0760, 4.9312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 145, 1) }
```

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

```
.background{ background-color: rgb(230,  
145, 1) }
```

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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