

Converting Colors

XYZ(39.9112, 31.2592, 4.2504)

Have a look what the booklet for
XYZ(39.9112, 31.2592, 4.2504)
contains.

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Color

**XYZ(39.9012, 31.2625,
4.2478)**

Conversions

Conversions Part 1

Format	Color
Hex	E67C0B
RGB	230, 124, 11
RGB Percent	90%, 49%, 4%
CMY	0.0980, 0.5137, 0.9568
CMYK	0.00, 0.46, 0.95, 0.10
HSL	31°, 91%, 47%
HSV	31°, 95%, 90%
XYZ	39.9012, 31.2625, 4.2478
YIQ	142.8120, 99.4490, -12.6710

Conversions

Conversions Part 2

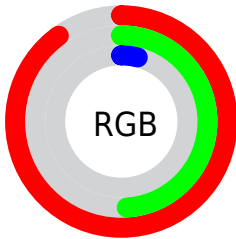
Format	Color
R _Y B	216, 230, 11
Decimal	15105035
CIE Lab	62.73, 35.04, 67.91
CIE LCh	63, 76.414, 62.708
Yxy	31.2625, 0.5291, 0.4146
Android (android.graphics.Color)	4293295115 (0xFFE67C0B)
YUV	142.8120, -64.9833, 76.4639
Hunter-Lab	55.9129, 29.5357, 34.6346

Details

The XYZ color **39.9012, 31.2625, 4.2478** 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 **20.7820, 18.5066, 77.3391**, and the grayscale version is **26.2579, 27.6254, 30.0840**.

A 20% lighter version of the original color is **58.4304, 53.6088, 13.9245**, and **18.3189, 12.9806, 1.5400** is the 20% darker color. If you saturate the color by 10%, you get **39.1917, 29.9405, 3.7135**, and if you desaturate by 10%, it is **41.6051, 34.3052, 5.9426**.

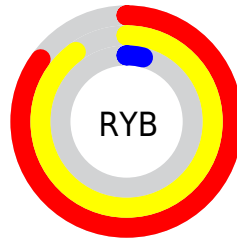
Distribution



Red (90%)

Green (49%)

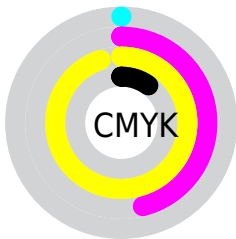
Blue (4%)



Red (85%)

Yellow (90%)

Blue (4%)

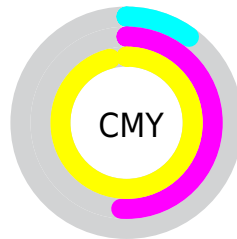


Cyan (0%)

Magenta (46%)

Yellow (95%)

Black (10%)



Cyan (10%)


Magenta (51%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9012, 31.2625, 4.2478 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 39.9012, 31.2625, 4.2478 by changing the saturation by 10% instead.


 39.9012, 31.2625,
4.2478


 39.9012, 31.2625,
4.2478


336.8485,
307.7458, 150.9411


 27.6454, 20.7988,
1.7622


 74.2983, 61.6531,
14.5773

 18.1976, 12.9770,
0.4029


 97.1704, 82.3488,
23.2584

 11.1925, 7.4127,
0.0000


 124.3119,
107.2240, 34.8417

 6.2647, 3.7215,
0.0000

 156.0882,
136.6631, 49.7459

 3.0489, 1.5190,
0.0000

 192.8646,
171.0504, 68.3893


 1.1797, 0.3021,
0.0000

 235.0066,


 0.0902, 0.0000,


210.7704, 91.1906


0.0000


 282.8795,
256.2074, 118.5684


 0.0000, 0.0000,
0.0000


 39.9012, 31.2625,
4.2478


 39.9012, 31.2625,
4.2478


 39.1917, 29.9405,
3.7135

 41.6051, 34.3052,
5.9426

 43.6923, 37.7598,
8.8573

 46.2064, 41.6527,
13.1951

 49.1830, 46.0055,
19.1214

 52.6533, 50.8376,
26.7783

■ 56.6451, 56.1669,
36.2922

■ 61.1841, 62.0102,
47.7773

■ 66.2939, 68.3833,
61.3386

■ 71.9965, 75.3011,
77.0738

Harmonies

Analogous

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



50.0066, 31.2625, 11.4671



39.9012, 31.2625, 4.2478



28.7759, 31.2625, 2.8540

Triad

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



39.9012, 31.2625, 4.2478



13.8353, 31.2625, 36.8281



41.9338, 31.2625, 108.9429

Complementary

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



39.9012, 31.2625, 4.2478



20.7820, 18.5066, 77.3391

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.



30.6724, 31.2625, 129.8057



39.9012, 31.2625, 4.2478



15.8220, 31.2625, 75.5104

Square

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



39.9012, 31.2625, 4.2478



15.2072, 31.2625, 13.8985



21.4276, 31.2625, 114.9478



51.3603, 31.2625, 67.7891

Rectangle

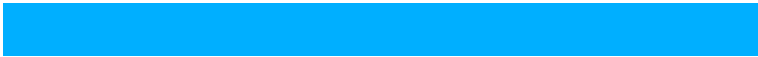
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.9012, 31.2625, 4.2478



22.6194, 31.2625, 3.7807



21.4276, 31.2625, 114.9478



38.1559, 31.2625, 119.3782

Sweetspot

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



39.9019, 31.2642, 4.2483



74.9715, 75.3701, 54.3394



36.1734, 18.4307, 19.5807



15.5275, 15.4609, 10.3242



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.



39.9019, 31.2642, 4.2483



49.4345, 37.6490, 4.6615



60.9899, 73.4402, 11.2777



14.9890, 15.5919, 15.1240



22.3114, 17.1970, 2.1434



1.7417, 1.4567, 0.1894

Inverse Universe

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



20.7820, 18.5066, 77.3391



25.1851, 21.4902, 97.4284



14.5407, 6.0238, 75.2586



14.1557, 15.0327, 18.2999



11.4455, 9.9531, 43.7011



0.9385, 0.9208, 3.2602

Previews

White Background



This preview shows how the XYZ color 39.9012, 31.2625, 4.2478 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 39.9012, 31.2625, 4.2478 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 39.9012, 31.2625, 4.2478

Background



This preview shows how black text looks on a background with the XYZ color 39.9012, 31.2625, 4.2478.



This preview shows how white text looks on a background with the XYZ color 39.9012, 31.2625,

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

39.9012, 31.2625, 4.2478

Protanopia

28.5493, 31.6110, 5.3559

Deuteranopia

31.7115, 31.1530, 4.3418



Tritanopia

43.6376, 31.1840, 22.4580

Trichromacy



Original Color

39.9012, 31.2625, 4.2478

Protanomaly

31.7745, 30.7271, 4.8285

Deuteranomaly

34.4212, 31.0219, 4.2885

Tritanomaly

41.6057, 30.8897, 11.7521

Monochromacy



Original Color

39.9012, 31.2625, 4.2478

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.5489, 27.5485, 14.6392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9012, 31.2625, 4.2478 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, 124, 11)` looks like.

```
.text, #text, p{  
    color:rgb(230, 124, 11)  
}
```

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, 124, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 124, 11) }
```

Border

The CSS property to change the border of an element to XYZ 39.9012, 31.2625, 4.2478 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, 124, 11) }
```


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

```
.border{ border-color:rgb(230, 124, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 124, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 124, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 124, 11);  
box-shadow:4px 4px 4px 4px rgb(230, 124,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9012, 31.2625, 4.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 124, 11) }
```

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

```
.background{ background-color: rgb(230,  
124, 11) }
```

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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