

Converting Colors

XYZ(39.6059, 32.2090, 4.1295)

Have a look what the booklet for
XYZ(39.6059, 32.2090, 4.1295)
contains.

XYZ(39.6612, 32.2962, 4.1434)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.6612, 32.2962,
4.1434)**

Conversions

Conversions Part 1

Format	Color
Hex	E38200
RGB	227, 130, 0
RGB Percent	89%, 51%, 0%
CMY	0.1098, 0.4902, 1.0000
CMYK	0.00, 0.43, 1.00, 0.11
HSL	34°, 100%, 45%
HSV	34°, 100%, 89%
XYZ	39.6612, 32.2962, 4.1434
YIQ	144.1830, 99.5420, -19.8660

Conversions

Conversions Part 2

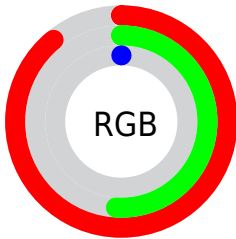
Format	Color
RYB	169, 227, 0
Decimal	14909952
CIELab	63.59, 30.59, 69.95
CIElCh	64, 76.343, 66.381
Yxy	32.2962, 0.5212, 0.4244
Android (android.graphics.Color)	4293100032 (0xFFE38200)
YUV	144.1830, -71.0822, 72.6305
Hunter-Lab	56.8297, 25.1222, 35.4580

Details

The XYZ color **39.6612, 32.2962, 4.1434** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **18.1399, 14.0957, 74.4371**, and the grayscale version is **26.8341, 28.2316, 30.7442**.

A 20% lighter version of the original color is **59.5178, 55.9959, 13.6326**, and **18.3857, 13.7367, 1.6824** is the 20% darker color. If you saturate the color by 10%, you get **39.6613, 32.2969, 4.1435**, and if you desaturate by 10%, it is **41.1653, 35.0620, 5.3934**.

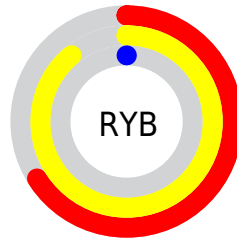
Distribution



Red (89%)

Green (51%)

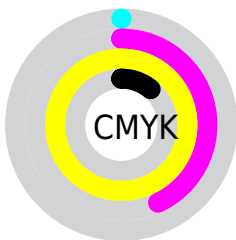
Blue (0%)



Red (66%)

Yellow (89%)

Blue (0%)

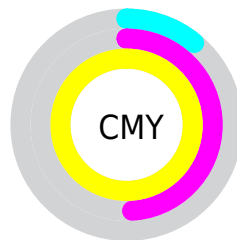


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6612, 32.2962, 4.1434 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 39.6612, 32.2962, 4.1434 by changing the saturation by 10% instead.


 39.6612, 32.2962,
4.1434


 39.6612, 32.2962,
4.1434


335.8525,
312.4663, 149.8062

 27.4575, 21.5878,
1.7043


 73.9350, 63.2751,
14.3392

 18.0555, 13.5544,
0.3637


 96.7357, 84.3145,
22.9329

 11.0898, 7.8114,
0.0000


 123.7996,
109.5664, 34.4154

 6.1950, 3.9745,
0.0000


 155.4919,
139.4151, 49.2050

 3.0058, 1.6593,
0.0000

 192.1780,
174.2450, 67.7203


 1.1568, 0.3971,
0.0000

 234.2232,


 0.0719, 0.0000,


214.4406, 90.3799


0.0000


 281.9929,
260.3863, 117.6024


 0.0000, 0.0000,
0.0000


 39.6612, 32.2962,
4.1434


 39.6612, 32.2962,
4.1434


 39.6613, 32.2969,
4.1435

 41.1653, 35.0620,
5.3934

 42.9717, 38.1471,
7.6224

 45.1414, 41.5821,
11.1332

 47.7102, 45.3864,
16.1002

 50.7087, 49.5767,
22.6700

■ 54.1640, 54.1682,
30.9711

■ 58.1006, 59.1752,
41.1190

■ 62.5408, 64.6108,
53.2190

■ 67.5056, 70.4875,
67.3684

Harmonies

Analogous

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



50.3286, 32.2962, 10.5760



39.6612, 32.2962, 4.1434



28.4746, 32.2962, 3.1427

Triad

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



39.6612, 32.2962, 4.1434



14.5020, 32.2962, 42.1004



44.5280, 32.2962, 106.7434

Complementary

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



39.6612, 32.2962, 4.1434



18.1399, 14.0957, 74.4371

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.



33.0312, 32.2962, 131.6892



39.6612, 32.2962, 4.1434



16.9768, 32.2962, 82.7321

Square

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



39.6612, 32.2962, 4.1434



15.4878, 32.2962, 16.5021



23.1961, 32.2962, 121.0122



53.5627, 32.2962, 64.3112

Rectangle

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



39.6612, 32.2962, 4.1434



22.4610, 32.2962, 4.4376



23.1961, 32.2962, 121.0122



40.7331, 32.2962, 118.3064

Sweetspot

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



39.6619, 32.2979, 4.1440



75.5304, 76.9028, 53.2460



33.9006, 17.2198, 13.1845



15.6855, 15.8550, 10.1367



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.



39.6619, 32.2979, 4.1440



51.5249, 41.8299, 5.3583



54.5818, 68.9149, 10.4254



15.0588, 15.7315, 15.1473



23.2488, 19.0718, 2.4559



1.8097, 1.5928, 0.2121

Inverse Universe

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



18.1399, 14.0957, 74.4371



23.5144, 18.1489, 96.8715



14.0644, 5.6490, 73.0215



14.0866, 14.8947, 18.2768



10.6894, 8.4410, 43.4490



0.8805, 0.8049, 3.2409

Previews

White Background



This preview shows how the XYZ color 39.6612, 32.2962, 4.1434 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 39.6612, 32.2962, 4.1434 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 39.6612, 32.2962, 4.1434

Background



This preview shows how black text looks on a background with the XYZ color 39.6612, 32.2962, 4.1434.



This preview shows how white text looks on a background with the XYZ color 39.6612, 32.2962,

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

39.6612, 32.2962, 4.1434

Protanopia

29.2861, 32.4850, 5.2990

Deuteranopia

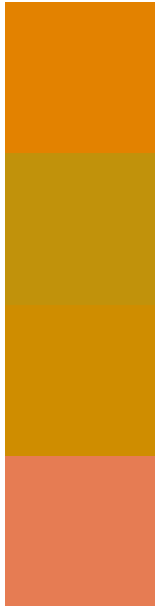
32.9394, 32.4695, 4.5312



Tritanopia

44.1453, 32.4423, 25.0544

Trichromacy



Original Color

39.6612, 32.2962, 4.1434

Protanomaly

32.3316, 31.9194, 4.7736

Deuteranomaly

35.2570, 32.3152, 4.3792

Tritanomaly

41.4021, 31.8628, 12.1516

Monochromacy



Original Color

39.6612, 32.2962, 4.1434

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.6199, 28.2366, 14.0670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6612, 32.2962, 4.1434 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, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 130, 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, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 130, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.6612, 32.2962, 4.1434 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, 130, 0) }
```


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

```
.border{ border-color:rgb(227, 130, 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, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 130,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6612, 32.2962, 4.1434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 130, 0) }
```

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

```
.background{ background-color: rgb(227,  
130, 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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