

Converting Colors

XYZ(43.4565, 39.1799, 2.8214)

Have a look what the booklet for
XYZ(43.4565, 39.1799, 2.8214)
contains.

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Color

**XYZ(43.8614, 39.2795,
5.2700)**

Conversions

Conversions Part 1

Format	Color
Hex	E69800
RGB	230, 152, 0
RGB Percent	90%, 60%, 0%
CMY	0.0980, 0.4039, 0.9999
CMYK	0.00, 0.34, 1.00, 0.10
HSL	40°, 100%, 45%
HSV	40°, 100%, 90%
XYZ	43.8614, 39.2795, 5.2700
YIQ	157.9940, 95.2800, -30.7360

Conversions

Conversions Part 2

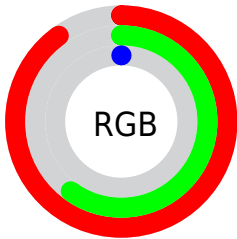
Format	Color
R_{YB}	118, 230, 0
Decimal	15112192
CIE Lab	68.95, 20.21, 73.58
CIE LCh	69, 76.308, 74.646
Yxy	39.2795, 0.4961, 0.4443
Android (android.graphics.Color)	4293302272 (0xFFE69800)
YUV	157.9940, -77.8910, 63.1493
Hunter-Lab	62.6734, 15.2433, 38.8858

Details

The XYZ color **43.8614, 39.2795, 5.2700** 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 **17.0079, 11.1631, 76.1206**, and the grayscale version is **32.8106, 34.5193, 37.5915**.

A 20% lighter version of the original color is **64.6158, 65.9244, 16.1565**, and **20.8021, 17.6322, 2.3070** is the 20% darker color. If you saturate the color by 10%, you get **43.8614, 39.2799, 5.2700**, and if you desaturate by 10%, it is **45.3249, 41.9593, 6.5215**.

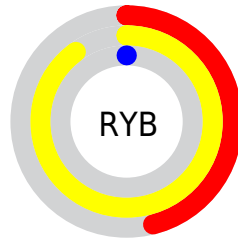
Distribution



Red (90%)

Green (60%)

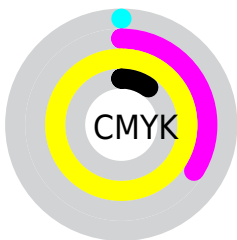
Blue (0%)



Red (46%)

Yellow (90%)

Blue (0%)

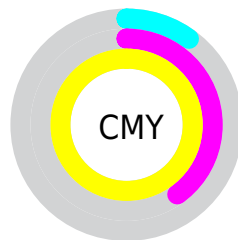


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8614, 39.2795, 5.2700 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 43.8614, 39.2795, 5.2700 by changing the saturation by 10% instead.


 43.8614, 39.2795,
5.2700


 43.8614, 39.2795,
5.2700


353.0042,
343.0773, 161.4399


 30.7590, 26.9772,
2.3450


 80.2568, 74.0651,
16.8465

 20.5663, 17.5561,
0.7563


 104.2805, 97.3172,
26.3351

 12.9180, 10.6318,
0.0000


 132.6753,
124.9881, 38.8487

 7.4487, 5.8198,
0.0000

 165.8067,
157.4621, 54.8058

 3.7931, 2.7358,
0.0000

 204.0399,
195.1236, 74.6249

 1.5858, 0.9954,
0.0000

 247.7403,

 0.3831, 0.0000,

238.3571, 98.7246

0.0000

297.2733,
287.5469, 127.5234

0.0000, 0.0000,
0.0000

43.8614, 39.2795,
5.2700

43.8614, 39.2795,
5.2700

43.8614, 39.2799,
5.2700

45.3249, 41.9593,
6.5215

47.0563, 44.8803,
8.7689

49.1166, 48.0709,
12.3225

51.5412, 51.5477,
17.3617

54.3602, 55.3250,
24.0377

■ 57.6000, 59.4155,
32.4827

■ 61.2844, 63.8310,
42.8154

■ 65.4352, 68.5824,
55.1442

■ 70.0727, 73.6798,
69.5690

Harmonies

Analogous

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



56.5234, 39.2795, 10.8939



43.8614, 39.2795, 5.2700



31.7380, 39.2795, 5.2172

Triad

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



43.8614, 39.2795, 5.2700



18.9991, 39.2795, 61.9941



56.2548, 39.2795, 110.1318

Complementary

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



43.8614, 39.2795, 5.2700



17.0079, 11.1631, 76.1206

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.



43.5518, 39.2795, 145.5168



43.8614, 39.2795, 5.2700



23.0686, 39.2795, 109.0377

Square

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



43.8614, 39.2795, 5.2700



19.0467, 39.2795, 27.3986



31.4886, 39.2795, 145.0335



64.6670, 39.2795, 63.0220

Rectangle

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



43.8614, 39.2795, 5.2700



25.5749, 39.2795, 7.9790



31.4886, 39.2795, 145.0335



52.2370, 39.2795, 124.6974

Sweetspot

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



43.8623, 39.2815, 5.2707



77.3613, 80.5648, 53.8563



34.0999, 17.4099, 9.2517



16.1218, 16.7275, 10.2821



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.



43.8623, 39.2815, 5.2707



55.3396, 49.4592, 6.6299



50.9322, 68.2623, 10.4920



15.1684, 15.9508, 15.1838



24.9496, 22.4733, 3.0228



1.9289, 1.8311, 0.2518

Inverse Universe

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



17.0079, 11.1631, 76.1206



21.4159, 13.9518, 96.1720



14.9597, 6.0623, 75.2440



13.9803, 14.6820, 18.2414



9.7301, 6.5223, 43.1293



0.8026, 0.6491, 3.2150

Previews

White Background



This preview shows how the XYZ color 43.8614, 39.2795, 5.2700 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 43.8614, 39.2795, 5.2700 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 43.8614, 39.2795, 5.2700

Background



This preview shows how black text looks on a background with the XYZ color 43.8614, 39.2795, 5.2700.



This preview shows how white text looks on a background with the XYZ color 43.8614, 39.2795,

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

43.8614, 39.2795, 5.2700

Protanopia

35.5167, 39.3605, 6.2156

Tritanopia

49.7844, 39.1496, 34.6385

Trichromacy



Original Color

43.8614, 39.2795, 5.2700

Protanomaly

38.3288, 39.1954, 5.8325

Tritanomaly

46.2148, 38.6063, 16.3252

Monochromacy



Original Color

43.8614, 39.2795, 5.2700

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.0046, 34.9069, 17.2574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8614, 39.2795, 5.2700 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, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 152, 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(230, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.8614, 39.2795, 5.2700 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, 152, 0) }
```

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

```
.border{ border-color:rgb(230, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 152,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 43.8614, 39.2795, 5.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 152, 0) }
```

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

```
.background{ background-color: rgb(230,  
152, 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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