

Converting Colors

XYZ(44.7469, 40.2151, 12.8597)

Have a look what the booklet for
XYZ(44.7469, 40.2151, 12.8597)
contains.

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Color

**XYZ(44.8112, 40.3381,
12.8214)**

Conversions

Conversions Part 1

Format	Color
Hex	E39B4F
RGB	227, 155, 79
RGB Percent	89%, 61%, 31%
CMY	0.1098, 0.3921, 0.6902
CMYK	0.00, 0.32, 0.65, 0.11
HSL	31°, 73%, 60%
HSV	31°, 65%, 89%
XYZ	44.8112, 40.3381, 12.8214
YIQ	167.8640, 67.3080, -8.3720

Conversions

Conversions Part 2

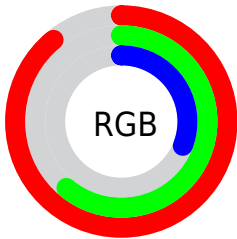
Format	Color
R_{YB}	219, 227, 79
Decimal	14916431
CIE _{Lab}	69.71, 19.71, 49.75
CIE _{LCh}	70, 53.510, 68.382
Yxy	40.3381, 0.4574, 0.4117
Android (android.graphics.Color)	4293106511 (0xFFE39B4F)
YUV	167.8640, -43.8100, 51.8623
Hunter-Lab	63.5123, 14.7945, 32.4896

Details

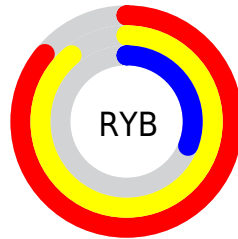
The XYZ color **44.8112, 40.3381, 12.8214** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **28.1556, 29.3402, 76.8519**, and the grayscale version is **37.3387, 39.2832, 42.7794**.

A 20% lighter version of the original color is **68.3833, 68.9919, 31.1853**, and **21.0963, 18.2000, 3.4997** is the 20% darker color. If you saturate the color by 10%, you get **42.3674, 36.5549, 8.6031**, and if you desaturate by 10%, it is **47.7070, 44.5743, 18.5824**.

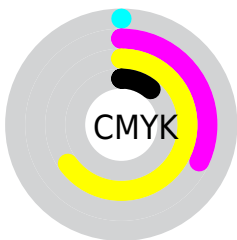
Distribution



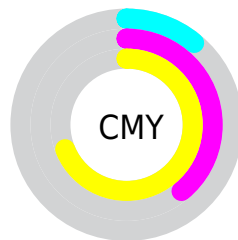
- Red (89%)
- Green (61%)
- Blue (31%)



- Red (86%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (32%)
- Yellow (65%)
- Black (11%)



- Cyan (11%)
- Magenta (39%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8112, 40.3381, 12.8214 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 44.8112, 40.3381, 12.8214 by changing the saturation by 10% instead.

44.8112, 40.3381,
12.8214

44.8112, 40.3381,
12.8214

356.8049,
347.5466, 220.9373

31.5094, 27.8023,
7.1764

81.6758, 75.6781,
31.6690

21.1408, 18.1766,
3.4925

105.9694, 99.2510,
45.7087

13.3400, 11.0769,
1.3513

134.6575,
127.2718, 63.3837

7.7417, 6.1186,
0.1033

168.1056,
160.1247, 85.1126

3.9805, 2.9173,
0.0000

206.6791,
198.1943, 111.3138

1.6911, 1.0887,
0.0000

250.7432,

0.4507, 0.0000,

241.8648, 142.4060

0.0000

300.6634,
291.5208, 178.8077

■ 0.0000, 0.0000,
0.0000

■ 44.8112, 40.3381,
12.8214

■ 44.8112, 40.3381,
12.8214

■ 42.3674, 36.5549,
8.6031

■ 47.7070, 44.5743,
18.5824

■ 40.3382, 33.1976,
5.7652

■ 51.0821, 49.2765,
26.0214

■ 38.6829, 30.2441,
4.1125

■ 54.9646, 54.4641,
35.2615

■ 37.9903, 28.9547,
3.5865

■ 59.3793, 60.1534,
46.4133

■ 64.3491, 66.3599,
59.5786

■ 69.8954, 73.0981,
74.8517

■ 76.0386, 80.3821,
92.3211

■ 81.8824, 87.8589,
107.2505

■ 85.2934, 94.6808,
108.3875

Harmonies

Analogous

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



52.9384, 40.3381, 20.4581



44.8112, 40.3381, 12.8214



35.9625, 40.3381, 11.6092

Triad

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



44.8112, 40.3381, 12.8214



24.1073, 40.3381, 51.2501



49.6424, 40.3381, 92.9431

Complementary

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



44.8112, 40.3381, 12.8214



28.1556, 29.3402, 76.8519

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.



40.8203, 40.3381, 110.0528



44.8112, 40.3381, 12.8214



26.7074, 40.3381, 80.7057

Square

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



44.8112, 40.3381, 12.8214



24.8441, 40.3381, 28.5841



32.5241, 40.3381, 104.8849



56.0072, 40.3381, 63.9485

Rectangle

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



44.8112, 40.3381, 12.8214



30.9537, 40.3381, 13.8971



32.5241, 40.3381, 104.8849



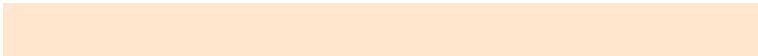
46.8171, 40.3381, 100.6915

Sweetspot

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



44.8121, 40.3401, 12.8222



80.4891, 82.3197, 68.7738



40.2244, 24.2231, 32.6929



16.8423, 17.1362, 13.7048



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.



44.8121, 40.3401, 12.8222



54.2250, 46.0839, 9.7913



60.5587, 71.8332, 18.0710



14.9860, 15.5859, 15.1230



22.2735, 17.1212, 2.1308



1.7389, 1.4511, 0.1884

Inverse Universe

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



28.1556, 29.3402, 76.8519



31.0540, 30.7986, 98.9158



19.8859, 12.8007, 74.0953



14.1587, 15.0387, 18.3009



11.4807, 10.0236, 43.7128



0.9411, 0.9261, 3.2611

Previews

White Background



This preview shows how the XYZ color 44.8112, 40.3381, 12.8214 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 44.8112, 40.3381, 12.8214 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 44.8112, 40.3381, 12.8214

Background



This preview shows how black text looks on a background with the XYZ color 44.8112, 40.3381, 12.8214.



This preview shows how white text looks on a background with the XYZ color 44.8112, 40.3381,

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

44.8112, 40.3381, 12.8214

Protanopia

37.1494, 40.5847, 14.2632

Deuteranopia

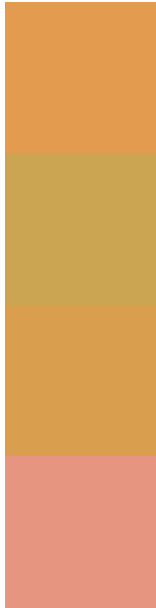
41.1239, 40.2254, 12.6180



Tritanopia

49.6434, 40.1479, 37.0311

Trichromacy



Original Color

44.8112, 40.3381, 12.8214

Protanomaly

39.6067, 40.2160, 13.6576

Deuteranomaly

42.3886, 40.0980, 12.7133

Tritanomaly

47.3430, 39.9029, 25.9757

Monochromacy



Original Color

44.8112, 40.3381, 12.8214

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.5274, 38.7908, 28.7493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8112, 40.3381, 12.8214 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, 155, 79)` looks like.

```
.text, #text, p{  
    color:rgb(227, 155, 79)  
}
```

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, 155, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 155, 79) }
```

Border

The CSS property to change the border of an element to XYZ 44.8112, 40.3381, 12.8214 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, 155, 79) }
```


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

```
.border{ border-color:rgb(227, 155, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 155, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 155, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 155, 79);  
box-shadow:4px 4px 4px 4px rgb(227, 155,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8112, 40.3381, 12.8214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 155, 79) }
```

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

```
.background{ background-color: rgb(227,  
155, 79) }
```

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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