

Converting Colors

XYZ(45.9602, 40.8195, 12.0509)

Have a look what the booklet for
XYZ(45.9602, 40.8195, 12.0509)
contains.

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Color

**XYZ(45.7806, 40.6081,
12.0819)**

Conversions

Conversions Part 1

Format	Color
Hex	E79A4B
RGB	231, 154, 75
RGB Percent	91%, 60%, 29%
CMY	0.0941, 0.3961, 0.7059
CMYK	0.00, 0.33, 0.68, 0.09
HSL	30°, 76%, 60%
HSV	30°, 68%, 91%
XYZ	45.7806, 40.6081, 12.0819
YIQ	168.0170, 71.2510, -8.2450

Conversions

Conversions Part 2

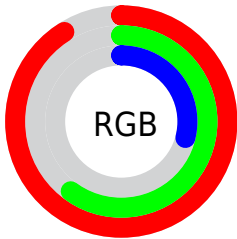
Format	Color
R_{YB}	227, 231, 75
Decimal	15178315
CIE _{Lab}	69.90, 21.68, 52.00
CIE _{LCh}	70, 56.335, 67.369
Yxy	40.6081, 0.4649, 0.4124
Android (android.graphics.Color)	4293368395 (0xFFE79A4B)
YUV	168.0170, -45.8574, 55.2361
Hunter-Lab	63.7245, 16.7192, 33.3660

Details

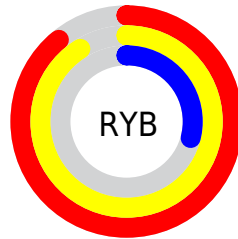
The XYZ color **45.7806, 40.6081, 12.0819** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **28.5531, 29.7205, 79.8326**, and the grayscale version is **37.4224, 39.3713, 42.8753**.

A 20% lighter version of the original color is **67.8712, 68.3932, 29.7027**, and **21.7995, 18.4203, 3.2171** is the 20% darker color. If you saturate the color by 10%, you get **43.3357, 36.7625, 8.0491**, and if you desaturate by 10%, it is **48.6930, 44.9301, 17.6866**.

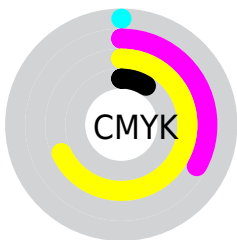
Distribution



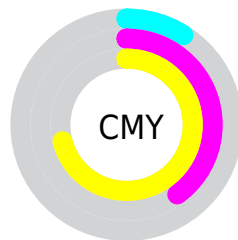
- Red (91%)
- Green (60%)
- Blue (29%)



- Red (89%)
- Yellow (91%)
- Blue (29%)



- Cyan (0%)
- Magenta (33%)
- Yellow (68%)
- Black (9%)





- Cyan (9%)
- Magenta (40%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7806, 40.6081, 12.0819 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 45.7806, 40.6081, 12.0819 by changing the saturation by 10% instead.


 45.7806, 40.6081,
12.0819


 45.7806, 40.6081,
12.0819


360.6566,
348.6800, 215.9439


 32.2766, 28.0130,
6.6763


 83.1204, 76.0886,
30.3108


 21.7294, 18.3355,
3.1851


 107.6870, 99.7428,
43.9712


 13.7737, 11.1911,
1.1899


 136.6718,
127.8522, 61.2202

 8.0441, 6.1955,
0.0000

 170.4401,
160.8011, 82.4764

 4.1752, 2.9643,
0.0000

 209.3575,
198.9739, 108.1583

 1.8017, 1.1131,
0.0000

253.7891,

 0.5187, 0.0000,

242.7551, 138.6845

0.0000

304.1003,
292.5290, 174.4735

■ 0.0000, 0.0000,
0.0000

■ 45.7806, 40.6081,
12.0819

■ 45.7806, 40.6081,
12.0819

■ 43.3357, 36.7625,
8.0491

■ 48.6930, 44.9301,
17.6866

■ 41.3179, 33.3641,
5.4119

■ 52.1028, 49.7430,
25.0096


■ 39.6789, 30.3869,
3.9377

■ 56.0400, 55.0678,
34.1824


■ 39.3147, 29.7087,
3.6622

■ 60.5314, 60.9222,
45.3233

■ 65.6013, 67.3229,
58.5406

 71.2727, 74.2857,
73.9344

 77.5673, 81.8256,
91.5985

 83.7223, 89.6439,
107.4981

 86.7648, 95.7288,
108.5123

Harmonies

Analogous

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



54.3595, 40.6081, 20.1178



45.7806, 40.6081, 12.0819



36.3811, 40.6081, 10.6795

Triad

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



45.7806, 40.6081, 12.0819



23.6286, 40.6081, 51.0073



50.3074, 40.6081, 97.6577

Complementary

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



45.7806, 40.6081, 12.0819



28.5531, 29.7205, 79.8326

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.



40.9007, 40.6081, 115.5034



45.7806, 40.6081, 12.0819



26.2202, 40.6081, 82.4526

Square

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



45.7806, 40.6081, 12.0819



24.5125, 40.6081, 27.5034



32.2068, 40.6081, 109.0489



57.2482, 40.6081, 66.6107

Rectangle

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



45.7806, 40.6081, 12.0819



31.0510, 40.6081, 12.8394



32.2068, 40.6081, 109.0489



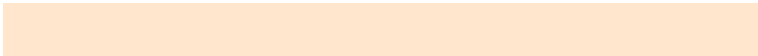
47.2755, 40.6081, 105.8629

Sweetspot

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



45.7815, 40.6102, 12.0827



80.3882, 82.1180, 68.7402



41.2209, 24.3213, 32.6593



16.8182, 17.0879, 13.6967



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.



45.7815, 40.6102, 12.0827



53.1833, 44.2780, 8.5887



62.8006, 74.6484, 17.7557



14.9773, 15.5684, 15.1201



22.1651, 16.9043, 2.0946



1.7309, 1.4350, 0.1858

Inverse Universe

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



28.5531, 29.7205, 79.8326



30.2596, 29.7980, 98.7645



19.8418, 12.2979, 76.9288



14.1673, 15.0561, 18.3037



11.5841, 10.2303, 43.7473



0.9488, 0.9416, 3.2637

Previews

White Background



This preview shows how the XYZ color 45.7806, 40.6081, 12.0819 looks on a white background.

Color Contrast Check

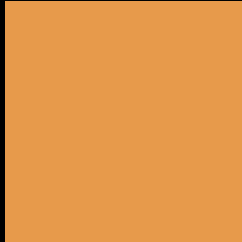
Large Text (above 18pt) WCAG AA × Fail

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 45.7806, 40.6081, 12.0819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

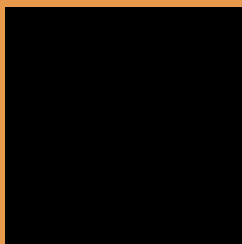
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7806, 40.6081, 12.0819

Background



This preview shows how black text looks on a background with the XYZ color 45.7806, 40.6081, 12.0819.



This preview shows how white text looks on a background with the XYZ color 45.7806, 40.6081,

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

45.7806, 40.6081, 12.0819

Protanopia

37.2461, 40.6522, 13.4730

Deuteranopia

41.4512, 40.6725, 11.9692



Tritanopia

50.7182, 40.4840, 36.5935

Trichromacy



Original Color

45.7806, 40.6081, 12.0819

Protanomaly

40.0071, 40.4395, 12.9047

Deuteranomaly

43.0203, 40.6961, 12.0663

Tritanomaly

48.3524, 40.2045, 25.2905

Monochromacy



Original Color

45.7806, 40.6081, 12.0819

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.8861, 38.9920, 28.0309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7806, 40.6081, 12.0819 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(231, 154, 75)` looks like.

```
.text, #text, p{  
    color:rgb(231, 154, 75)  
}
```

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(231, 154, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 154, 75) }
```

Border

The CSS property to change the border of an element to XYZ 45.7806, 40.6081, 12.0819 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(231, 154, 75) }
```


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

```
.border{ border-color:rgb(231, 154, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 154, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 154, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 154, 75);  
box-shadow:4px 4px 4px 4px rgb(231, 154,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7806, 40.6081, 12.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 154, 75) }
```

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

```
.background{ background-color: rgb(231,  
154, 75) }
```

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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