

Converting Colors

XYZ(47.2764, 43.5064, 12.2504)

Have a look what the booklet for
XYZ(47.2764, 43.5064, 12.2504)
contains.

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Color

**XYZ(47.0779, 43.3106,
12.1818)**

Conversions

Conversions Part 1

Format	Color
Hex	E7A249
RGB	231, 162, 73
RGB Percent	91%, 64%, 29%
CMY	0.0941, 0.3647, 0.7137
CMYK	0.00, 0.30, 0.68, 0.09
HSL	34°, 77%, 60%
HSV	34°, 68%, 91%
XYZ	47.0779, 43.3106, 12.1818
YIQ	172.4850, 69.6930, -13.0510

Conversions

Conversions Part 2

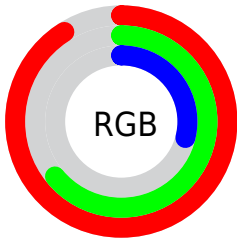
Format	Color
RYB	195, 231, 73
Decimal	15180361
CIELab	71.77, 17.31, 54.95
CIELCh	72, 57.610, 72.517
Yxy	43.3106, 0.4590, 0.4223
Android (android.graphics.Color)	4293370441 (0xFFE7A249)
YUV	172.4850, -49.0461, 51.3177
Hunter-Lab	65.8108, 12.5215, 35.0928

Details

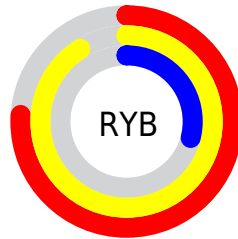
The XYZ color **47.0779, 43.3106, 12.1818** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.8439, 26.5307, 79.3069**, and the grayscale version is **39.6760, 41.7423, 45.4574**.

A 20% lighter version of the original color is **69.7545, 72.3664, 29.6937**, and **22.4797, 19.8535, 3.2196** is the 20% darker color. If you saturate the color by 10%, you get **44.7435, 39.6485, 8.3013**, and if you desaturate by 10%, it is **49.8411, 47.3759, 17.6086**.

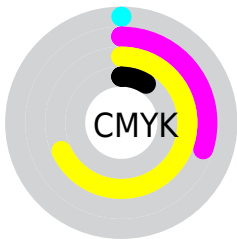
Distribution



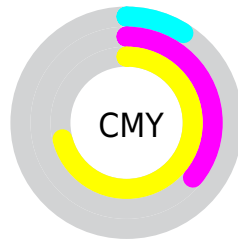
- Red (91%)
- Green (64%)
- Blue (29%)



- Red (76%)
- Yellow (91%)
- Blue (29%)



- Cyan (0%)
- Magenta (30%)
- Yellow (68%)
- Black (9%)





- Cyan (9%)
- Magenta (36%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0779, 43.3106, 12.1818 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 47.0779, 43.3106, 12.1818 by changing the saturation by 10% instead.


 47.0779, 43.3106,
12.1818

 47.0779, 43.3106,
12.1818


365.7691,
359.8876, 216.6256


 33.3054, 30.1289,
6.7436


 85.0479, 80.1794,
30.4951

 22.5209, 19.9364,
3.2263


 109.9762,
104.6352, 44.2073


 14.3589, 12.3489,
1.2113


 139.3538,
133.6179, 61.5145

 8.4541, 6.9817,
0.0000

 173.5461,
167.5118, 82.8354

 4.4411, 3.4507,
0.0000

 212.9184,
206.7013, 108.5884

 1.9546, 1.3713,
0.0000

257.8361,

 0.6083, 0.1954,

251.5708, 139.1920

0.0000

308.6646,
302.5048, 175.0650

■ 0.0000, 0.0000,
0.0000

■ 47.0779, 43.3106,
12.1818

■ 47.0779, 43.3106,
12.1818

■ 44.7435, 39.6485,
8.3013

■ 49.8411, 47.3759,
17.6086

■ 42.7984, 36.3631,
5.7880

■ 53.0617, 51.8555,
24.7290


■ 41.1918, 33.4304,
4.3880


■ 56.7685, 56.7678,
33.6756


■ 40.9545, 32.9882,
4.2088


■ 60.9869, 62.1278,
44.5670

■ 65.7402, 67.9496,
57.5119

 71.0503, 74.2462,
72.6107

 76.9375, 81.0305,
89.9571

 82.9666, 88.1325,
107.2462

 86.0639, 94.3271,
108.2786

Harmonies

Analogous

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



56.6417, 43.3106, 19.3203



47.0779, 43.3106, 12.1818



37.2226, 43.3106, 11.6984

Triad

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



47.0779, 43.3106, 12.1818



25.3999, 43.3106, 59.8206



55.2280, 43.3106, 99.0403

Complementary

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



47.0779, 43.3106, 12.1818



26.8439, 26.5307, 79.3069

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.



45.3773, 43.3106, 121.7025



47.0779, 43.3106, 12.1818



28.8011, 43.3106, 93.7260

Square

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



47.0779, 43.3106, 12.1818



25.7068, 43.3106, 32.7568



35.7699, 43.3106, 119.4439



61.8351, 43.3106, 65.2605

Rectangle

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



47.0779, 43.3106, 12.1818



31.8609, 43.3106, 14.7606



35.7699, 43.3106, 119.4439



52.1251, 43.3106, 108.7161

Sweetspot

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



47.0789, 43.3128, 12.1826



80.5843, 82.9956, 67.3088



40.3792, 23.7709, 28.8861



16.8913, 17.3285, 13.4305



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.



47.0789, 43.3128, 12.1826



54.9515, 47.8971, 8.9233



60.2405, 73.3363, 17.2841



15.0472, 15.7084, 15.1434



23.0855, 18.7452, 2.4014



1.7980, 1.5693, 0.2081

Inverse Universe

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



26.8439, 26.5307, 79.3069



28.1475, 25.7491, 98.0943



20.1914, 12.2799, 76.9069



14.0980, 14.9174, 18.2806



10.8068, 8.6756, 43.4882



0.8896, 0.8232, 3.2440

Previews

White Background



This preview shows how the XYZ color 47.0779, 43.3106, 12.1818 looks on a white background.

Color Contrast Check

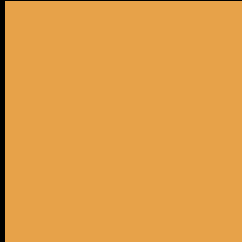
Large Text (above 18pt) WCAG AA × Fail

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 47.0779, 43.3106, 12.1818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

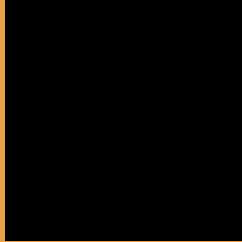
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0779, 43.3106, 12.1818

Background



This preview shows how black text looks on a background with the XYZ color 47.0779, 43.3106, 12.1818.



This preview shows how white text looks on a background with the XYZ color 47.0779, 43.3106,

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

47.0779, 43.3106, 12.1818

Protanopia

39.6298, 43.3223, 13.2945

Deuteranopia

44.3534, 43.5203, 12.0238



Tritanopia

52.8541, 43.1413, 40.6634

Trichromacy



Original Color

47.0779, 43.3106, 12.1818

Protanomaly

42.1619, 43.2029, 12.9543

Deuteranomaly

45.2373, 43.4283, 12.1291

Tritanomaly

50.2462, 43.0778, 27.1393

Monochromacy



Original Color

47.0779, 43.3106, 12.1818

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.4389, 41.1203, 29.0982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0779, 43.3106, 12.1818 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, 162, 73)` looks like.

```
.text, #text, p{  
    color:rgb(231, 162, 73)  
}
```

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, 162, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 162, 73) }
```

Border

The CSS property to change the border of an element to XYZ 47.0779, 43.3106, 12.1818 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, 162, 73) }
```


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

```
.border{ border-color:rgb(231, 162, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 162, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 162, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 162, 73);  
box-shadow:4px 4px 4px 4px rgb(231, 162,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0779, 43.3106, 12.1818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 162, 73) }
```

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

```
.background{ background-color: rgb(231,  
162, 73) }
```

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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