

Converting Colors

XYZ(47.0636, 42.9521, 11.5425)

Have a look what the booklet for
XYZ(47.0636, 42.9521, 11.5425)
contains.

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Color

**XYZ(47.1291, 43.0877,
11.6271)**

Conversions

Conversions Part 1

Format	Color
Hex	E8A146
RGB	232, 161, 70
RGB Percent	91%, 63%, 27%
CMY	0.0902, 0.3686, 0.7255
CMYK	0.00, 0.31, 0.70, 0.09
HSL	34°, 78%, 59%
HSV	34°, 70%, 91%
XYZ	47.1291, 43.0877, 11.6271
YIQ	171.8550, 71.5270, -13.2490

Conversions

Conversions Part 2

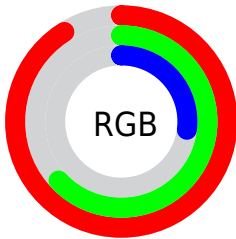
Format	Color
RYB	196, 232, 70
Decimal	15245638
CIELab	71.61, 18.10, 56.17
CIElCh	72, 59.018, 72.140
Yxy	43.0877, 0.4628, 0.4231
Android (android.graphics.Color)	4293435718 (0xFFE8A146)
YUV	171.8550, -50.2145, 52.7472
Hunter-Lab	65.6412, 13.2873, 35.4468

Details

The XYZ color **47.1291, 43.0877, 11.6271** 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 **26.6157, 26.1769, 79.9934**, and the grayscale version is **39.3610, 41.4108, 45.0964**.

A 20% lighter version of the original color is **69.3087, 71.7769, 28.6137**, and **22.5545, 19.7370, 3.0016** is the 20% darker color. If you saturate the color by 10%, you get **44.8284, 39.4408, 7.9186**, and if you desaturate by 10%, it is **49.8590, 47.1410, 16.8743**.

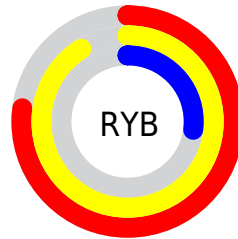
Distribution



Red (91%)

Green (63%)

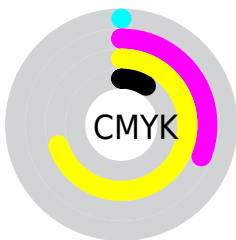
Blue (27%)



Red (77%)

Yellow (91%)

Blue (27%)

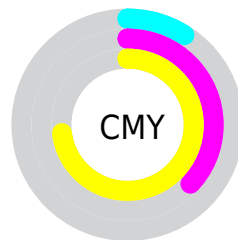


Cyan (0%)

Magenta (31%)

Yellow (70%)

Black (9%)



Cyan (9%)

Magenta (37%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1291, 43.0877, 11.6271 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 47.1291, 43.0877, 11.6271 by changing the saturation by 10% instead.

47.1291, 43.0877,
11.6271

47.1291, 43.0877,
11.6271

365.9699,
358.9723, 212.8103

33.3461, 29.9539,
6.3709

85.1239, 79.8432,
29.4683

22.5522, 19.8036,
2.9995

110.0663,
104.2337, 42.8903

14.3821, 12.2524,
1.0944

139.4594,
133.1452, 59.8713

8.4704, 6.9158,
0.0000

173.6683,
166.9622, 80.8298

4.4517, 3.4095,
0.0000

213.0584,
206.0690, 106.1845

1.9607, 1.3491,
0.0000

257.9952,

0.6118, 0.1787,

250.8500, 136.3537

0.0000

308.8439,
301.6897, 171.7561

■ 0.0000, 0.0000,
0.0000

■ 47.1291, 43.0877,
11.6271

■ 47.1291, 43.0877,
11.6271

■ 44.8284, 39.4408,
7.9186

■ 49.8590, 47.1410,
16.8743

■ 42.9159, 36.1732,
5.5628

■ 53.0476, 51.6124,
23.8123


■ 41.3307, 33.2565,
4.2523


■ 56.7246, 56.5208,
32.5774


■ 41.3050, 33.2085,
4.2329


■ 60.9160, 61.8815,
43.2913

■ 65.6457, 67.7089,
56.0649

 70.9359, 74.0165,
71.0009

 76.8075, 80.8172,
88.1949

 83.1829, 88.0844,
107.2255

 86.2994, 94.3175,
108.2644

Harmonies

Analogous

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



56.9045, 43.0877, 18.8473



47.1291, 43.0877, 11.6271



37.0471, 43.0877, 11.0756

Triad

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



47.1291, 43.0877, 11.6271



24.9044, 43.0877, 59.4550



55.2338, 43.0877, 100.6433

Complementary

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



47.1291, 43.0877, 11.6271



26.6157, 26.1769, 79.9934

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.



45.1254, 43.0877, 123.8220



47.1291, 43.0877, 11.6271



28.3023, 43.0877, 94.3252

Square

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



47.1291, 43.0877, 11.6271



25.2621, 43.0877, 31.9903



35.3425, 43.0877, 121.1290



62.0818, 43.0877, 65.8818

Rectangle

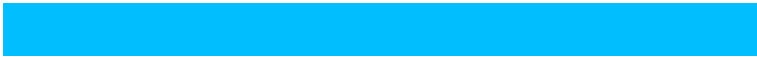
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.1291, 43.0877, 11.6271



31.5649, 43.0877, 14.0584



35.3425, 43.0877, 121.1290



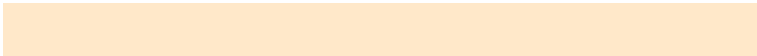
52.0406, 43.0877, 110.5793

Sweetspot

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



47.1301, 43.0899, 11.6279



80.5608, 82.9485, 67.3010



40.4193, 23.5165, 28.3562



16.8857, 17.3173, 13.4286



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.



47.1301, 43.0899, 11.6279



54.4042, 46.9537, 8.2751



60.6715, 73.9865, 16.8779



15.0453, 15.7045, 15.1428



23.0586, 18.6913, 2.3925



1.7961, 1.5655, 0.2075

Inverse Universe

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



26.6157, 26.1769, 79.9934



27.5746, 24.9235, 97.9651



19.9060, 11.8308, 77.5780



14.0999, 14.9212, 18.2813



10.8266, 8.7154, 43.4948



0.8912, 0.8263, 3.2445

Previews

White Background



This preview shows how the XYZ color 47.1291, 43.0877, 11.6271 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 47.1291, 43.0877, 11.6271 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 47.1291, 43.0877, 11.6271

Background



This preview shows how black text looks on a background with the XYZ color 47.1291, 43.0877, 11.6271.



This preview shows how white text looks on a background with the XYZ color 47.1291, 43.0877,

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

47.1291, 43.0877, 11.6271

Protanopia

39.5263, 43.2808, 12.7493

Deuteranopia

44.0755, 43.1149, 11.4678



Tritanopia

52.9374, 42.9547, 40.1513

Trichromacy



Original Color

47.1291, 43.0877, 11.6271

Protanomaly

42.0600, 43.1622, 12.4177

Deuteranomaly

45.2698, 43.1872, 11.5802

Tritanomaly

50.2759, 42.8605, 26.3920

Monochromacy



Original Color

47.1291, 43.0877, 11.6271

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.6239, 41.2239, 28.7376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1291, 43.0877, 11.6271 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(232, 161, 70)` looks like.

```
.text, #text, p{  
    color:rgb(232, 161, 70)  
}
```

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(232, 161, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 161, 70) }
```

Border

The CSS property to change the border of an element to XYZ 47.1291, 43.0877, 11.6271 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(232, 161, 70) }
```


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

```
.border{ border-color:rgb(232, 161, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 161, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 161, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 161, 70);  
box-shadow:4px 4px 4px 4px rgb(232, 161,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1291, 43.0877, 11.6271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 161, 70) }
```

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

```
.background{ background-color: rgb(232,  
161, 70) }
```

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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