

Converting Colors

XYZ(51.3385, 47.6901, 12.7126)

Have a look what the booklet for
XYZ(51.3385, 47.6901, 12.7126)
contains.

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Color

**XYZ(51.1410, 47.5681,
12.6170)**

Conversions

Conversions Part 1

Format	Color
Hex	EFAA48
RGB	239, 170, 72
RGB Percent	94%, 67%, 28%
CMY	0.0627, 0.3333, 0.7176
CMYK	0.00, 0.29, 0.70, 0.06
HSL	35°, 84%, 61%
HSV	35°, 70%, 94%
XYZ	51.1410, 47.5681, 12.6170
YIQ	179.4590, 72.5820, -15.8500

Conversions

Conversions Part 2

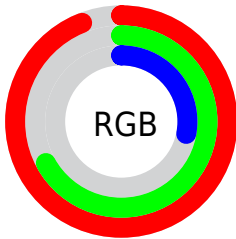
Format	Color
RYB	190, 239, 72
Decimal	15706696
CIELab	74.55, 16.37, 58.62
CIELCh	75, 60.860, 74.401
Yxy	47.5681, 0.4594, 0.4273
Android (android.graphics.Color)	4293896776 (0xFFEFAA48)
YUV	179.4590, -52.9773, 52.2175
Hunter-Lab	68.9696, 11.6609, 37.4325

Details

The XYZ color **51.1410, 47.5681, 12.6170** 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 **27.7767, 26.6581, 85.3422**, and the grayscale version is **43.3411, 45.5982, 49.6565**.

A 20% lighter version of the original color is **71.8669, 76.5911, 30.3978**, and **25.1415, 22.5696, 3.4120** is the 20% darker color. If you saturate the color by 10%, you get **48.7258, 43.7525, 8.6844**, and if you desaturate by 10%, it is **54.0003, 51.7877, 18.1928**.

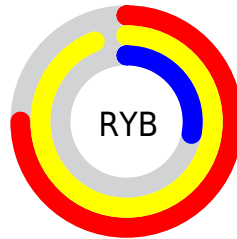
Distribution



Red (94%)

Green (67%)

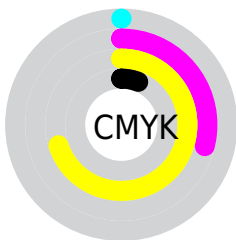
Blue (28%)



Red (75%)

Yellow (94%)

Blue (28%)

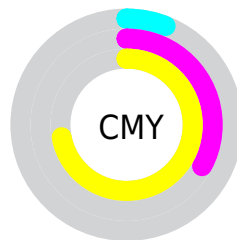


Cyan (0%)

Magenta (29%)

Yellow (70%)

Black (6%)



Cyan (6%)

Magenta (33%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1410, 47.5681, 12.6170 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 51.1410, 47.5681, 12.6170 by changing the saturation by 10% instead.

51.1410, 47.5681,
12.6170

51.1410, 47.5681,
12.6170

381.4900,
377.0776, 219.5692

36.5423, 33.4850,
7.0377

91.0449, 86.5610,
31.2950

25.0254, 22.4982,
3.4069

117.0809,
112.2396, 45.2308

16.2248, 14.2235,
1.3060

147.6600,
142.5521, 62.7892

9.7752, 8.2762,
0.0667

183.1476,
177.8829, 84.3888

5.3113, 4.2722,
0.0000

223.9090,
218.6165, 110.4480

2.4677, 1.8270,
0.0000

270.3096,

0.8790, 0.5039,

265.1372, 141.3855

0.0000

322.7149,
317.8295, 177.6197

■ 0.0000, 0.0000,
0.0000

■ 51.1410, 47.5681,
12.6170

■ 51.1410, 47.5681,
12.6170

■ 48.7258, 43.7525,
8.6844

■ 54.0003, 51.7877,
18.1928

■ 46.7110, 40.3128,
6.1945

■ 57.3349, 56.4226,
25.5753


■ 45.0324, 37.2201,
4.8194


■ 61.1760, 61.4918,
34.9113


■ 45.0124, 37.1827,
4.8046


■ 65.5512, 67.0108,
46.3314

■ 70.4855, 72.9940,
59.9548

 76.0025, 79.4549,
75.8919

 82.1239, 86.4063,
94.2453

 87.5215, 93.3209,
108.0076

 89.4063, 97.0906,
108.6359

Harmonies

Analogous

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



62.0683, 47.5681, 19.9220



51.1410, 47.5681, 12.6170



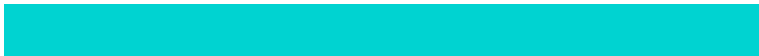
40.1534, 47.5681, 12.4896

Triad

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



51.1410, 47.5681, 12.6170



27.6652, 47.5681, 68.3654



61.6829, 47.5681, 108.2402

Complementary

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



51.1410, 47.5681, 12.6170



27.7767, 26.6581, 85.3422

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.



50.6786, 47.5681, 135.3995



51.1410, 47.5681, 12.6170



31.7225, 47.5681, 106.7828

Square

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



51.1410, 47.5681, 12.6170



27.7478, 47.5681, 37.1537



39.7600, 47.5681, 134.7783



68.7949, 47.5681, 69.8481

Rectangle

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



51.1410, 47.5681, 12.6170



34.2848, 47.5681, 16.1679



39.7600, 47.5681, 134.7783



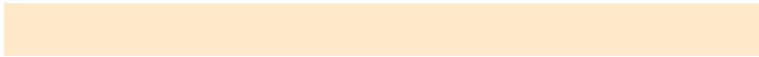
58.2446, 47.5681, 119.5684

Sweetspot

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



51.1421, 47.5705, 12.6179



80.9396, 83.7062, 67.4272



42.7652, 24.9262, 27.9852



16.9759, 17.4976, 13.4587



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.



51.1421, 47.5705, 12.6179



55.3652, 48.8755, 8.5954



63.1132, 78.2213, 17.9032



16.5437, 17.3005, 16.6171



25.0075, 20.8131, 2.6993



2.1782, 1.9271, 0.2572

Inverse Universe

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



27.7767, 26.6581, 85.3422



26.8455, 23.4654, 97.7221



21.7277, 12.8416, 82.9942



15.4337, 16.3015, 20.0547



11.1841, 8.5924, 46.1969



1.0262, 0.9063, 3.8751

Previews

White Background



This preview shows how the XYZ color 51.1410, 47.5681, 12.6170 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 51.1410, 47.5681, 12.6170 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 51.1410, 47.5681, 12.6170

Background



This preview shows how black text looks on a background with the XYZ color 51.1410, 47.5681, 12.6170.



This preview shows how white text looks on a background with the XYZ color 51.1410, 47.5681,

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

51.1410, 47.5681, 12.6170

Protanopia

43.6218, 47.7819, 13.7612

Deuteranopia

48.7804, 47.7729, 12.6113



Tritanopia

58.0232, 47.7130, 45.1811

Trichromacy



Original Color

51.1410, 47.5681, 12.6170

Protanomaly

46.0054, 47.4999, 13.4003

Deuteranomaly

49.6852, 47.6657, 12.5429

Tritanomaly

54.6815, 47.3832, 29.5564

Monochromacy



Original Color

51.1410, 47.5681, 12.6170

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.3464, 45.3616, 31.2293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1410, 47.5681, 12.6170 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(239, 170, 72)` looks like.

```
.text, #text, p{  
    color:rgb(239, 170, 72)  
}
```

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(239, 170, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 170, 72) }
```

Border

The CSS property to change the border of an element to XYZ 51.1410, 47.5681, 12.6170 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(239, 170, 72) }
```


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

```
.border{ border-color:rgb(239, 170, 72) }
```

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

Here you see how a box with a 4 pixel rgb(239, 170, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 170, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 170, 72);  
box-shadow:4px 4px 4px 4px rgb(239, 170,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1410, 47.5681, 12.6170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 170, 72) }
```

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

```
.background{ background-color: rgb(239,  
170, 72) }
```

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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