

Converting Colors

XYZ(51.3400, 47.1372, 16.2472)

Have a look what the booklet for
XYZ(51.3400, 47.1372, 16.2472)
contains.

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Color

**XYZ(51.1509, 46.9377,
16.2615)**

Conversions

Conversions Part 1

Format	Color
Hex	EEA85B
RGB	238, 168, 91
RGB Percent	93%, 66%, 36%
CMY	0.0667, 0.3412, 0.6431
CMYK	0.00, 0.29, 0.62, 0.07
HSL	31°, 81%, 65%
HSV	31°, 62%, 93%
XYZ	51.1509, 46.9377, 16.2615
YIQ	180.1520, 66.4370, -9.1070

Conversions

Conversions Part 2

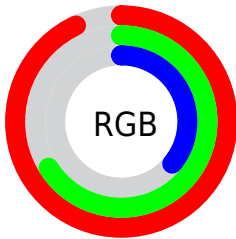
Format	Color
R_{YB}	225, 238, 91
Decimal	15640667
CIE Lab	74.15, 18.12, 49.32
CIE LCh	74, 52.544, 69.823
Yxy	46.9377, 0.4473, 0.4105
Android (android.graphics.Color)	4293830747 (0xFFEEA85B)
YUV	180.1520, -43.9519, 50.7327
Hunter-Lab	68.5111, 13.3750, 33.8849

Details

The XYZ color **51.1509, 46.9377, 16.2615** 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 **32.4913, 33.8856, 85.7168**, and the grayscale version is **43.6689, 45.9431, 50.0320**.

A 20% lighter version of the original color is **72.5856, 76.0185, 36.8340**, and **25.0057, 22.1159, 5.0487** is the 20% darker color. If you saturate the color by 10%, you get **48.2808, 42.5885, 11.0178**, and if you desaturate by 10%, it is **54.5310, 51.7865, 23.2818**.

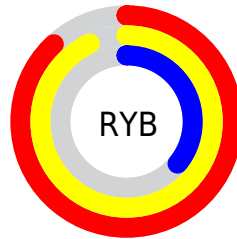
Distribution



Red (93%)

Green (66%)

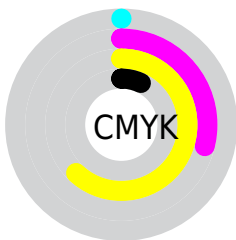
Blue (36%)



Red (88%)

Yellow (93%)

Blue (36%)

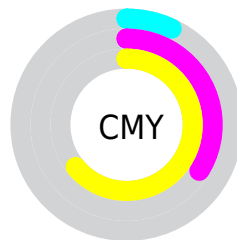


Cyan (0%)

Magenta (29%)

Yellow (62%)

Black (7%)



Cyan (7%)

Magenta (34%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1509, 46.9377, 16.2615 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 51.1509, 46.9377, 16.2615 by changing the saturation by 10% instead.

51.1509, 46.9377,
16.2615

51.1509, 46.9377,
16.2615

381.5278,
374.5658, 242.7780

36.5502, 32.9864,
9.5530

91.0595, 85.6206,
37.8247

25.0315, 22.1160,
5.0019

117.0981,
111.1210, 53.5165

16.2294, 13.9422,
2.1896

147.6800,
141.2400, 73.0398

9.7785, 8.0805,
0.6684

183.1707,
176.3618, 96.8131

5.3135, 4.1465,
0.0000

223.9355,
216.8709, 125.2551

2.4690, 1.7558,
0.0000

270.3397,

0.8796, 0.4594,

263.1516, 158.7842

0.0000

322.7487,
315.5885, 197.8190

■ 0.0000, 0.0000,
0.0000

■ 51.1509, 46.9377,
16.2615

■ 51.1509, 46.9377,
16.2615

■ 48.2808, 42.5885,
11.0178

■ 54.5310, 51.7865,
23.2818

■ 45.8809, 38.7098,
7.3779

■ 58.4501, 57.1479,
32.2240

■ 43.9089, 35.2788,
5.1387

■ 62.9386, 63.0428,
43.2215

■ 42.5523, 32.7622,
4.0810

■ 68.0231, 69.4886,
56.3946

■ 73.7286, 76.5017,
71.8546

■ 80.0784, 84.0977,
89.7049

■ 86.6726, 92.1228,
107.8211

■ 89.0698, 96.9171,
108.6201

Harmonies

Analogous

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



60.0060, 46.9377, 24.5815



51.1509, 46.9377, 16.2615



41.5960, 46.9377, 15.1591

Triad

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



51.1509, 46.9377, 16.2615



29.0509, 46.9377, 60.4694



57.2356, 46.9377, 102.1443

Complementary

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



51.1509, 46.9377, 16.2615



32.4913, 33.8856, 85.7168

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.



47.7722, 46.9377, 121.0782



51.1509, 46.9377, 16.2615



32.1068, 46.9377, 92.0050

Square

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



51.1509, 46.9377, 16.2615



29.6906, 46.9377, 35.2331



38.6571, 46.9377, 116.8266



63.8472, 46.9377, 71.1504

Rectangle

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



51.1509, 46.9377, 16.2615



36.2042, 46.9377, 18.0393



38.6571, 46.9377, 116.8266



54.2321, 46.9377, 110.5509

Sweetspot

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



51.1520, 46.9400, 16.2624



81.2845, 83.4170, 70.5604



45.5272, 28.2701, 37.2634



17.0051, 17.3661, 14.0544



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.



51.1520, 46.9400, 16.2624



55.7144, 48.6212, 11.6491



66.9056, 79.6601, 21.7477



16.4580, 17.1292, 16.5885



23.8706, 18.5393, 2.3203



2.0854, 1.7415, 0.2262

Inverse Universe

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



32.4913, 33.8856, 85.7168



32.2307, 32.2161, 99.1273



23.7340, 16.0064, 82.7273



15.5181, 16.4703, 20.0828



12.0523, 10.3289, 46.4863



1.1016, 1.0572, 3.9002

Previews

White Background



This preview shows how the XYZ color 51.1509, 46.9377, 16.2615 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 51.1509, 46.9377, 16.2615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

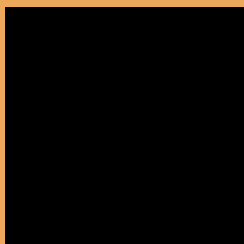
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1509, 46.9377, 16.2615

Background



This preview shows how black text looks on a background with the XYZ color 51.1509, 46.9377, 16.2615.



This preview shows how white text looks on a background with the XYZ color 51.1509, 46.9377,

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

51.1509, 46.9377, 16.2615

Protanopia

43.1322, 47.1290, 17.8898

Deuteranopia

48.0329, 47.0178, 16.2166



Tritanopia

57.0570, 46.9696, 44.5869

Trichromacy



Original Color

51.1509, 46.9377, 16.2615

Protanomaly

45.6723, 46.9451, 17.2438

Deuteranomaly

49.2311, 47.0662, 16.1628

Tritanomaly

54.4208, 46.6709, 31.7313

Monochromacy



Original Color

51.1509, 46.9377, 16.2615

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.9580, 45.6063, 34.4503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1509, 46.9377, 16.2615 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(238, 168, 91)` looks like.

```
.text, #text, p{  
    color:rgb(238, 168, 91)  
}
```

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(238, 168, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 168, 91) }
```

Border

The CSS property to change the border of an element to XYZ 51.1509, 46.9377, 16.2615 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(238, 168, 91) }
```


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

```
.border{ border-color:rgb(238, 168, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 168, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 168, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 168, 91);  
box-shadow:4px 4px 4px 4px rgb(238, 168,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1509, 46.9377, 16.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 168, 91) }
```

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

```
.background{ background-color: rgb(238,  
168, 91) }
```

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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