

Converting Colors

XYZ(46.6385, 41.3798, 15.0085)

Have a look what the booklet for
XYZ(46.6385, 41.3798, 15.0085)
contains.

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Color

**XYZ(46.6466, 41.4871,
15.0005)**

Conversions

Conversions Part 1

Format	Color
Hex	E79C59
RGB	231, 156, 89
RGB Percent	91%, 61%, 35%
CMY	0.0941, 0.3882, 0.6510
CMYK	0.00, 0.32, 0.61, 0.09
HSL	28°, 75%, 63%
HSV	28°, 61%, 91%
XYZ	46.6466, 41.4871, 15.0005
YIQ	170.7870, 66.2070, -4.9370

Conversions

Conversions Part 2

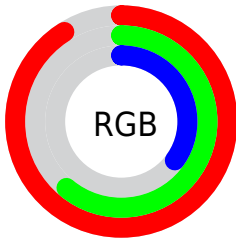
Format	Color
R_{YB}	231, 216, 89
Decimal	15178841
CIE _{Lab}	70.52, 21.48, 45.87
CIE _{LCh}	71, 50.651, 64.906
Yxy	41.4871, 0.4523, 0.4023
Android (android.graphics.Color)	4293368921 (0xFFE79C59)
YUV	170.7870, -40.3210, 52.8068
Hunter-Lab	64.4105, 16.5528, 31.2793

Details

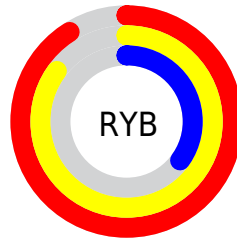
The XYZ color **46.6466, 41.4871, 15.0005** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **31.8183, 34.4426, 80.5719**, and the grayscale version is **38.7754, 40.7947, 44.4255**.

A 20% lighter version of the original color is **69.3420, 69.7716, 35.0119**, and **22.2292, 18.9143, 4.4867** is the 20% darker color. If you saturate the color by 10%, you get **43.8793, 37.2690, 10.0201**, and if you desaturate by 10%, it is **49.9258, 46.2424, 21.6533**.

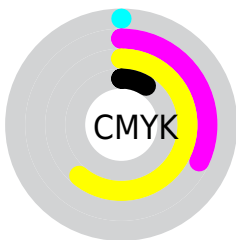
Distribution



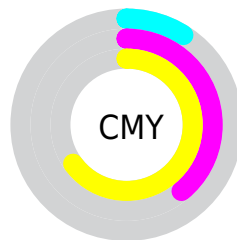
- Red (91%)
- Green (61%)
- Blue (35%)



- Red (91%)
- Yellow (85%)
- Blue (35%)



- Cyan (0%)
- Magenta (32%)
- Yellow (61%)
- Black (9%)





- Cyan (9%)
- Magenta (39%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6466, 41.4871, 15.0005 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 46.6466, 41.4871, 15.0005 by changing the saturation by 10% instead.


 46.6466, 41.4871,
15.0005


 46.6466, 41.4871,
15.0005


364.0746,
352.3523, 235.0101

 32.9631, 28.6999,
8.6731


 84.4078, 77.4228,
35.5964


 22.2573, 18.8539,
4.4347


 109.2163,
101.3400, 50.7019

 14.1638, 11.5648,
1.8667


 138.4638,
129.7361, 69.5706

 8.3171, 6.4481,
0.4714

 172.5158,
162.9954, 92.6210

 4.3520, 3.1194,
0.0000

211.7374,
201.5022, 120.2716

 1.9032, 1.1944,
0.0000

256.4943,

 0.5787, 0.0571,

245.6411, 152.9410

0.0000

307.1515,
295.7963, 191.0476

■ 0.0000, 0.0000,
0.0000

■ 46.6466, 41.4871,
15.0005

■ 46.6466, 41.4871,
15.0005

■ 43.8793, 37.2690,
10.0201

■ 49.9258, 46.2424,
21.6533

■ 41.5852, 33.5579,
6.5521

■ 53.7455, 51.5504,
30.1139

■ 39.7238, 30.3290,
4.4084

■ 58.1353, 57.4337,
40.5059

■ 38.4236, 27.9264,
3.3652

■ 63.1214, 63.9111,
52.9418

■ 68.7284, 71.0010,
67.5250

■ 74.9792, 78.7203,
84.3520

■ 81.8956, 87.0855,
103.5133

■ 86.3212, 94.8417,
108.3644

■ 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.



54.1314, 41.4871, 23.6252



46.6466, 41.4871, 15.0005



38.0739, 41.4871, 13.0863

Triad

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



46.6466, 41.4871, 15.0005



25.4921, 41.4871, 49.2235



49.3599, 41.4871, 94.3946

Complementary

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



46.6466, 41.4871, 15.0005



31.8183, 34.4426, 80.5719

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.



40.8225, 41.4871, 108.2810



46.6466, 41.4871, 15.0005



27.6686, 41.4871, 76.9530

Square

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



46.6466, 41.4871, 15.0005



26.5976, 41.4871, 28.3323



33.0029, 41.4871, 100.9747



55.8467, 41.4871, 67.6333

Rectangle

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



46.6466, 41.4871, 15.0005



33.0452, 41.4871, 14.9700



33.0029, 41.4871, 100.9747



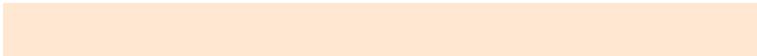
46.5934, 41.4871, 101.0834

Sweetspot

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



46.6476, 41.4892, 15.0013



81.2695, 82.8853, 72.1016



43.2947, 26.8409, 38.3694



16.9709, 17.2003, 14.3430



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.



46.6476, 41.4892, 15.0013



54.0106, 45.2135, 11.0812



62.0268, 72.2477, 20.1277



14.9350, 15.4839, 15.1060



21.6632, 15.9005, 1.9273



1.6932, 1.3598, 0.1732

Inverse Universe

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



31.8183, 34.4426, 80.5719



33.9456, 35.6459, 99.6990



22.5230, 15.8519, 77.4734



14.2097, 15.1409, 18.3179



12.1131, 11.2882, 43.9236



0.9880, 1.0199, 3.2768

Previews

White Background



This preview shows how the XYZ color 46.6466, 41.4871, 15.0005 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 46.6466, 41.4871, 15.0005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

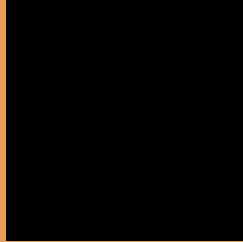
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6466, 41.4871, 15.0005

Background



This preview shows how black text looks on a background with the XYZ color 46.6466, 41.4871, 15.0005.



This preview shows how white text looks on a background with the XYZ color 46.6466, 41.4871,

15.0005.

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

46.6466, 41.4871, 15.0005

Protanopia

38.2443, 41.6605, 16.8521

Deuteranopia

42.6160, 41.7445, 14.8282



Tritanopia

51.4400, 41.5159, 38.1031

Trichromacy



Original Color

46.6466, 41.4871, 15.0005

Protanomaly

40.9713, 41.4069, 16.1888

Deuteranomaly

44.1970, 41.7609, 14.9637

Tritanomaly

49.3014, 41.3469, 27.9365

Monochromacy



Original Color

46.6466, 41.4871, 15.0005

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.4363, 40.5330, 30.8917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6466, 41.4871, 15.0005 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, 156, 89)` looks like.

```
.text, #text, p{  
    color:rgb(231, 156, 89)  
}
```

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, 156, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 156, 89) }
```

Border

The CSS property to change the border of an element to XYZ 46.6466, 41.4871, 15.0005 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, 156, 89) }
```


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

```
.border{ border-color:rgb(231, 156, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 156, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 156, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 156, 89);  
box-shadow:4px 4px 4px 4px rgb(231, 156,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6466, 41.4871, 15.0005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 156, 89) }
```

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

```
.background{ background-color: rgb(231,  
156, 89) }
```

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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