

Converting Colors

XYZ(46.0747, 41.2783, 14.2921)

Have a look what the booklet for
XYZ(46.0747, 41.2783, 14.2921)
contains.

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Color

**XYZ(45.8813, 41.1068,
14.3203)**

Conversions

Conversions Part 1

Format	Color
Hex	E59C56
RGB	229, 156, 86
RGB Percent	90%, 61%, 34%
CMY	0.1020, 0.3882, 0.6627
CMYK	0.00, 0.32, 0.62, 0.10
HSL	29°, 73%, 62%
HSV	29°, 62%, 90%
XYZ	45.8813, 41.1068, 14.3203
YIQ	169.8470, 65.9780, -6.2940

Conversions

Conversions Part 2

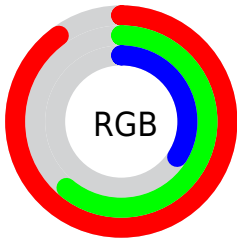
Format	Color
R_{YB}	229, 223, 86
Decimal	15047766
CIE Lab	70.25, 20.46, 47.00
CIE LCh	70, 51.257, 66.480
Yxy	41.1068, 0.4529, 0.4058
Android (android.graphics.Color)	4293237846 (0xFFE59C56)
YUV	169.8470, -41.3366, 51.8772
Hunter-Lab	64.1146, 15.5366, 31.6375

Details

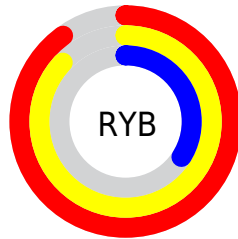
The XYZ color **45.8813, 41.1068, 14.3203** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **30.3781, 32.4304, 78.7870**, and the grayscale version is **38.3096, 40.3047, 43.8918**.

A 20% lighter version of the original color is **69.1217, 69.6835, 33.8519**, and **21.7322, 18.6655, 4.1265** is the 20% darker color. If you saturate the color by 10%, you get **43.2343, 37.0606, 9.5923**, and if you desaturate by 10%, it is **49.0145, 45.6529, 20.6689**.

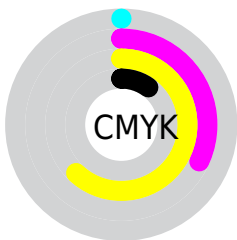
Distribution



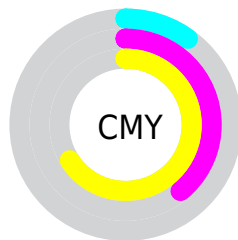
- Red (90%)
- Green (61%)
- Blue (34%)



- Red (90%)
- Yellow (87%)
- Blue (34%)



- Cyan (0%)
- Magenta (32%)
- Yellow (62%)
- Black (10%)





- Cyan (10%)
- Magenta (39%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8813, 41.1068, 14.3203 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 45.8813, 41.1068, 14.3203 by changing the saturation by 10% instead.


 45.8813, 41.1068,
14.3203

 45.8813, 41.1068,
14.3203


361.0552,
350.7668, 230.7117

 32.3564, 28.4025,
8.2025


 83.2703, 76.8460,
34.3816

 21.7907, 18.6293,
4.1352


 107.8651,
100.6497, 49.1621


 13.8189, 11.4027,
1.6998


 136.8805,
128.9221, 67.6672

 8.0757, 6.3384,
0.3606

 170.6820,
162.0474, 90.3156

 4.1956, 3.0519,
0.0000

 209.6348,
200.4102, 117.5257

 1.8134, 1.1589,
0.0000

254.1044,

 0.5257, 0.0278,

244.3947, 149.7160

0.0000

304.4561,
294.3855, 187.3052

0.0000, 0.0000,
0.0000

45.8813, 41.1068,
14.3203

45.8813, 41.1068,
14.3203

43.2343, 37.0606,
9.5923

49.0145, 45.6529,
20.6689

41.0360, 33.4858,
6.3261

52.6616, 50.7132,
28.7719

39.2464, 30.3591,
4.3342

56.8513, 56.3085,
38.7515

38.1189, 28.2697,
3.4475

61.6091, 62.4566,
50.7184

66.9584, 69.1743,
64.7745

■ 72.9216, 76.4774,
81.0147

■ 79.5194, 84.3813,
99.5279

■ 84.3999, 91.9518,
107.9079

■ 86.1230, 95.3979,
108.4822

Harmonies

Analogous

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



53.5586, 41.1068, 22.4953



45.8813, 41.1068, 14.3203



37.2752, 41.1068, 12.7232

Triad

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



45.8813, 41.1068, 14.3203



25.1128, 41.1068, 50.1873



49.4879, 41.1068, 93.2390

Complementary

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



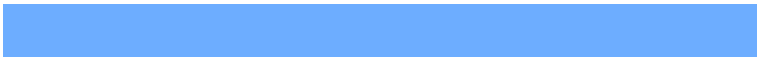
45.8813, 41.1068, 14.3203



30.3781, 32.4304, 78.7870

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.



40.9231, 41.1068, 108.2926



45.8813, 41.1068, 14.3203



27.4640, 41.1068, 78.2992

Square

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



45.8813, 41.1068, 14.3203



26.0472, 41.1068, 28.7125



32.9699, 41.1068, 102.0207



55.8408, 41.1068, 65.8853

Rectangle

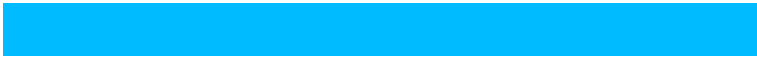
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8813, 41.1068, 14.3203



32.2990, 41.1068, 14.7981



32.9699, 41.1068, 102.0207



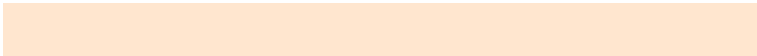
46.7285, 41.1068, 100.2808

Sweetspot

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



45.8823, 41.1089, 14.3211



80.8191, 82.4862, 70.4053



41.9760, 25.8479, 35.9813



16.8929, 17.1415, 14.0169



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.



45.8823, 41.1089, 14.3211



54.2790, 45.8687, 10.8060



61.3570, 72.0584, 19.4793



14.9566, 15.5271, 15.1132



21.9144, 16.4030, 2.0111



1.7122, 1.3977, 0.1795

Inverse Universe

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



30.3781, 32.4304, 78.7870



32.9585, 33.9223, 99.4183



21.5022, 14.6785, 75.8284



14.1880, 15.0975, 18.3106



11.8372, 10.7365, 43.8316



0.9677, 0.9793, 3.2700

Previews

White Background



This preview shows how the XYZ color 45.8813, 41.1068, 14.3203 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 45.8813, 41.1068, 14.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

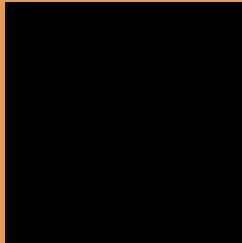
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8813, 41.1068, 14.3203

Background



This preview shows how black text looks on a background with the XYZ color 45.8813, 41.1068, 14.3203.



This preview shows how white text looks on a background with the XYZ color 45.8813, 41.1068,

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

45.8813, 41.1068, 14.3203

Protanopia

37.8761, 41.2075, 15.8551

Deuteranopia

42.0271, 41.1881, 14.1225



Tritanopia

50.7796, 41.1754, 38.0722

Trichromacy



Original Color

45.8813, 41.1068, 14.3203

Protanomaly

40.3412, 40.8311, 15.2062

Deuteranomaly

43.2980, 41.0510, 14.2359

Tritanomaly

48.5102, 40.9550, 27.1781

Monochromacy



Original Color

45.8813, 41.1068, 14.3203

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.6012, 39.8507, 30.0308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8813, 41.1068, 14.3203 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(229, 156, 86)` looks like.

```
.text, #text, p{  
    color:rgb(229, 156, 86)  
}
```

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(229, 156, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 156, 86) }
```

Border

The CSS property to change the border of an element to XYZ 45.8813, 41.1068, 14.3203 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(229, 156, 86) }
```


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

```
.border{ border-color:rgb(229, 156, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 156, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 156, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 156, 86);  
box-shadow:4px 4px 4px 4px rgb(229, 156,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8813, 41.1068, 14.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 156, 86) }
```

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

```
.background{ background-color: rgb(229,  
156, 86) }
```

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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