

Converting Colors

XYZ(46.3715, 40.9263, 8.5878)

Have a look what the booklet for
XYZ(46.3715, 40.9263, 8.5878)
contains.

XYZ(46.4141, 41.0124, 8.6019)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4141, 41.0124,
8.6019)**

Conversions

Conversions Part 1

Format	Color
Hex	EB9A33
RGB	235, 154, 51
RGB Percent	92%, 60%, 20%
CMY	0.0784, 0.3961, 0.8000
CMYK	0.00, 0.34, 0.78, 0.08
HSL	34°, 82%, 56%
HSV	34°, 78%, 92%
XYZ	46.4141, 41.0124, 8.6019
YIQ	166.4770, 81.3390, -14.8610

Conversions

Conversions Part 2

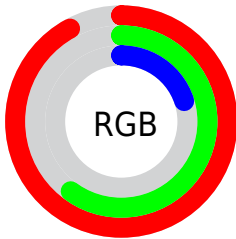
Format	Color
RYB	196, 235, 51
Decimal	15440435
CIELab	70.18, 22.25, 62.78
CIELCh	70, 66.604, 70.482
Yxy	41.0124, 0.4833, 0.4271
Android (android.graphics.Color)	4293630515 (0xFFEB9A33)
YUV	166.4770, -56.9302, 60.0947
Hunter-Lab	64.0409, 17.2975, 36.8649

Details

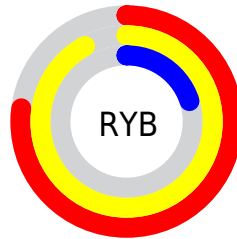
The XYZ color **46.4141, 41.0124, 8.6019** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **24.6115, 23.2036, 81.7782**, and the grayscale version is **36.7175, 38.6297, 42.0677**.

A 20% lighter version of the original color is **66.3457, 67.3917, 22.8757**, and **22.3058, 18.6992, 2.4337** is the 20% darker color. If you saturate the color by 10%, you get **44.3866, 37.5879, 5.9835**, and if you desaturate by 10%, it is **48.8521, 44.8400, 12.6481**.

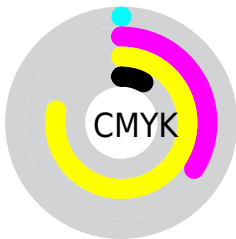
Distribution



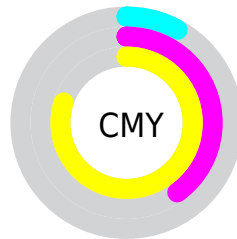
- Red (92%)
- Green (60%)
- Blue (20%)



- Red (77%)
- Yellow (92%)
- Blue (20%)



- Cyan (0%)
- Magenta (34%)
- Yellow (78%)
- Black (8%)





- Cyan (8%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4141, 41.0124, 8.6019 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 46.4141, 41.0124, 8.6019 by changing the saturation by 10% instead.


 46.4141, 41.0124,
8.6019


 46.4141, 41.0124,
8.6019


363.1591,
350.3724, 190.4871

 32.7787, 28.3288,
4.3892


 84.0625, 76.7027,
23.6956


 22.1154, 18.5736,
1.8412


 108.8062,
100.4782, 35.4136


 14.0588, 11.3626,
0.4549


 137.9834,
128.7198, 50.4706

 8.2436, 6.3113,
0.0000

 171.9594,
161.8118, 69.2849

 4.3043, 3.0353,
0.0000

 211.0996,
200.1387, 92.2752

 1.8757, 1.1502,
0.0000

 255.7694,

 0.5626, 0.0204,

244.0848, 119.8599

0.0000

306.3341,
294.0346, 152.4577

■ 0.0000, 0.0000,
0.0000

■ 46.4141, 41.0124,
8.6019

■ 46.4141, 41.0124,
8.6019

■ 44.3866, 37.5879,
5.9835

■ 48.8521, 44.8400,
12.6481

■ 42.7138, 34.5331,
4.5293


■ 51.7362, 49.0855,
18.3038


■ 42.4518, 34.0442,
4.3337


■ 55.1002, 53.7695,
25.7260


■ 58.9731, 58.9091,
35.0519

■ 63.3816, 64.5200,
46.4052

 68.3501, 70.6171,
59.8991

 73.9012, 77.2142,
75.6384

 80.0564, 84.3247,
93.7207

 85.6039, 91.4685,
107.7511

Harmonies

Analogous

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



57.2023, 41.0124, 15.9156



46.4141, 41.0124, 8.6019



35.2896, 41.0124, 7.8108

Triad

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



46.4141, 41.0124, 8.6019



21.7852, 41.0124, 56.4950



54.2389, 41.0124, 107.6688

Complementary

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



46.4141, 41.0124, 8.6019



24.6115, 23.2036, 81.7782

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.



42.9213, 41.0124, 133.5486



46.4141, 41.0124, 8.6019



25.1094, 41.0124, 96.0835

Square

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



46.4141, 41.0124, 8.6019



22.3704, 41.0124, 27.4480



32.3872, 41.0124, 128.5306



62.2708, 41.0124, 67.8718

Rectangle

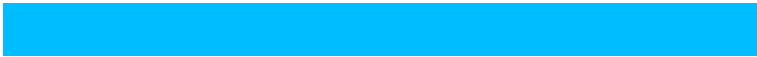
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.4141, 41.0124, 8.6019



29.2832, 41.0124, 10.3227



32.3872, 41.0124, 128.5306



50.6136, 41.0124, 118.9668

Sweetspot

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



46.4150, 41.0145, 8.6027



79.3137, 81.4014, 63.9654



39.7339, 21.7457, 24.5850



16.5206, 16.8607, 12.4632



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.



46.4150, 41.0145, 8.6027



52.1530, 42.9447, 6.0036



61.6069, 75.7916, 14.5146



15.7650, 16.4529, 15.8635



23.7559, 19.2061, 2.4551



1.9610, 1.6993, 0.2246

Inverse Universe

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



24.6115, 23.2036, 81.7782



25.0666, 20.9534, 97.3310



18.0551, 9.3331, 79.4465



14.7768, 15.6401, 19.1623



11.1921, 9.0311, 44.8963



0.9732, 0.8979, 3.5569

Previews

White Background



This preview shows how the XYZ color 46.4141, 41.0124, 8.6019 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 46.4141, 41.0124, 8.6019 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 46.4141, 41.0124, 8.6019

Background



This preview shows how black text looks on a background with the XYZ color 46.4141, 41.0124, 8.6019.



This preview shows how white text looks on a background with the XYZ color 46.4141, 41.0124,

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

46.4141, 41.0124, 8.6019

Protanopia

37.4587, 41.1280, 9.7056

Deuteranopia

41.9292, 40.9986, 8.3929



Tritanopia

52.1653, 41.0138, 36.1774

Trichromacy



Original Color

46.4141, 41.0124, 8.6019

Protanomaly

40.1334, 40.5865, 9.2087

Deuteranomaly

43.5357, 41.0430, 8.4238

Tritanomaly

49.3974, 40.8149, 22.1042

Monochromacy



Original Color

46.4141, 41.0124, 8.6019

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

38.0443, 38.3723, 24.4702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4141, 41.0124, 8.6019 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(235, 154, 51)` looks like.

```
.text, #text, p{  
    color:rgb(235, 154, 51)  
}
```

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(235, 154, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 154, 51) }
```

Border

The CSS property to change the border of an element to XYZ 46.4141, 41.0124, 8.6019 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(235, 154, 51) }
```


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

```
.border{ border-color:rgb(235, 154, 51) }
```

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

Here you see how a box with a 4 pixel rgb(235, 154, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 154, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 154, 51);  
box-shadow:4px 4px 4px 4px rgb(235, 154,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4141, 41.0124, 8.6019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 154, 51) }
```

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

```
.background{ background-color: rgb(235,  
154, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor