

Converting Colors

XYZ(47.0986, 41.0770, 6.0593)

Have a look what the booklet for
XYZ(47.0986, 41.0770, 6.0593)
contains.

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Color

**XYZ(47.1054, 41.1802,
6.0819)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EF9913 |
| RGB | 239, 153, 19 |
| RGB Percent | 94%, 60%, 7% |
| CMY | 0.0627, 0.4000, 0.9255 |
| CMYK | 0.00, 0.36, 0.92, 0.06 |
| HSL | 37°, 87%, 51% |
| HSV | 37°, 92%, 94% |
| XYZ | 47.1054, 41.1802, 6.0819 |
| YIQ | 163.4380, 94.2700, -23.4420 |

Conversions

Conversions Part 2

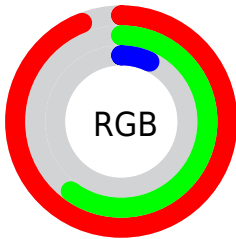
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 160, 239, 19 |
| Decimal | 15702291 |
| CIE Lab | 70.30, 23.69, 72.34 |
| CIE LCh | 70, 76.125, 71.867 |
| Yxy | 41.1802, 0.4992, 0.4364 |
| Android (android.graphics.Color) | 4293892371 (0xFFEF9913) |
| YUV | 163.4380, -71.2079, 66.2679 |
| Hunter-Lab | 64.1718, 18.7275, 39.3010 |

Details

The XYZ color **47.1054, 41.1802, 6.0819** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **20.9002, 16.4737, 83.7390**, and the grayscale version is **35.3169, 37.1561, 40.4630**.

A 20% lighter version of the original color is **65.1142, 66.5102, 17.5895**, and **22.8828, 18.8499, 2.4323** is the 20% darker color. If you saturate the color by 10%, you get **45.8101, 38.7781, 5.0705**, and if you desaturate by 10%, it is **49.0126, 44.4881, 8.2805**.

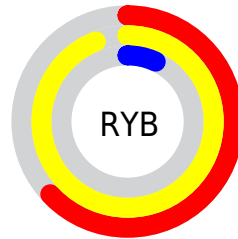
Distribution



Red (94%)

Green (60%)

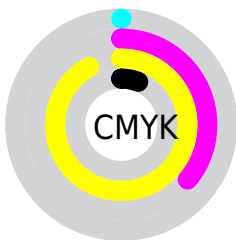
Blue (7%)



Red (63%)

Yellow (94%)

Blue (7%)

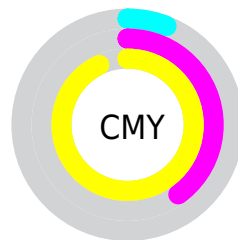


Cyan (0%)

Magenta (36%)

Yellow (92%)

Black (6%)



Cyan (6%)

Magenta (40%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1054, 41.1802, 6.0819 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 47.1054, 41.1802, 6.0819 by changing the saturation by 10% instead.

47.1054, 41.1802,
6.0819

47.1054, 41.1802,
6.0819

365.8770,
351.0732, 169.1313

33.3273, 28.4599,
2.8254

85.0887, 76.9574,
18.5812

22.5377, 18.6726,
1.0062

110.0246,
100.7830, 28.6611

14.3713, 11.4340,
0.0000

139.4105,
129.0793, 41.8525

8.4628, 6.3595,
0.0000

173.6117,
162.2305, 58.5740

4.4468, 3.0649,
0.0000

212.9936,
200.6212, 79.2441

1.9579, 1.1657,
0.0000

257.9216,

0.6101, 0.0334,

244.6355, 104.2813

0.0000

308.7609,
294.6581, 134.1042

■ 0.0000, 0.0000,
0.0000

■ 47.1054, 41.1802,
6.0819

■ 47.1054, 41.1802,
6.0819

■ 45.8101, 38.7781,
5.0705

■ 49.0126, 44.4881,
8.2805

■ 51.2975, 48.1412,
11.8685

■ 54.0028, 52.1623,
17.0536

■ 57.1633, 56.5693,
24.0076

■ 60.8097, 61.3784,
32.8800

■ 64.9695, 66.6042,
43.8042

■ 69.6679, 72.2607,
56.9016

■ 74.9283, 78.3605,
72.2842

■ 80.7724, 84.9160,
90.0559

Harmonies

Analogous

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



59.9006, 41.1802, 12.8062



47.1054, 41.1802, 6.0819



34.4041, 41.1802, 5.5823

Triad

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



47.1054, 41.1802, 6.0819



20.0198, 41.1802, 60.5314



57.4680, 41.1802, 118.0916

Complementary

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



47.1054, 41.1802, 6.0819



20.9002, 16.4737, 83.7390

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.



44.2929, 41.1802, 151.5318



47.1054, 41.1802, 6.0819



23.8345, 41.1802, 108.2355

Square

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



47.1054, 41.1802, 6.0819



20.4578, 41.1802, 26.6497



32.1283, 41.1802, 147.1897



66.7056, 41.1802, 69.8471

Rectangle

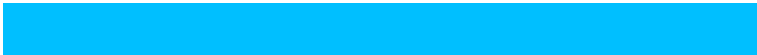
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.1054, 41.1802, 6.0819



27.7755, 41.1802, 8.1089



32.1283, 41.1802, 147.1897



53.2469, 41.1802, 132.3559

Sweetspot

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



47.1063, 41.1823, 6.0827



77.3437, 79.6916, 56.4334



38.4834, 19.8782, 15.7197



16.0692, 16.4649, 10.7495



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.



47.1063, 41.1823, 6.0827



53.0152, 44.8104, 5.8551



59.5992, 76.5314, 12.2473



16.5741, 17.3614, 16.6272



25.4472, 21.6924, 2.8458



2.2134, 1.9975, 0.2689

Inverse Universe

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



20.9002, 16.4737, 83.7390



22.5762, 16.2725, 96.5587



16.7276, 7.1695, 82.1630



15.4040, 16.2422, 20.0448



10.9122, 8.0486, 46.1063



1.0018, 0.8576, 3.8669

Previews

White Background



This preview shows how the XYZ color 47.1054, 41.1802, 6.0819 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 47.1054, 41.1802, 6.0819 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 47.1054, 41.1802, 6.0819

Background



This preview shows how black text looks on a background with the XYZ color 47.1054, 41.1802, 6.0819.



This preview shows how white text looks on a background with the XYZ color 47.1054, 41.1802,

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

47.1054, 41.1802, 6.0819

Protanopia

37.3782, 41.4311, 7.0042

Deuteranopia

42.0106, 41.0998, 5.7189



Tritanopia

53.0790, 41.0584, 35.2645

Trichromacy



Original Color

47.1054, 41.1802, 6.0819

Protanomaly

40.3692, 41.0359, 6.6037

Deuteranomaly

43.8005, 40.9804, 5.8025

Tritanomaly

49.7397, 40.6119, 18.3140

Monochromacy



Original Color

47.1054, 41.1802, 6.0819

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.7532, 37.0203, 20.2475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1054, 41.1802, 6.0819 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, 153, 19)` looks like.

```
.text, #text, p{  
    color:rgb(239, 153, 19)  
}
```

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, 153, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 153, 19) }
```

Border

The CSS property to change the border of an element to XYZ 47.1054, 41.1802, 6.0819 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, 153, 19) }
```


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

```
.border{ border-color:rgb(239, 153, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 153, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 153, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 153, 19);  
box-shadow:4px 4px 4px 4px rgb(239, 153,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1054, 41.1802, 6.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 153, 19) }
```

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

```
.background{ background-color: rgb(239,  
153, 19) }
```

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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