

Converting Colors

XYZ(47.1176, 41.0413, 5.4384)

Have a look what the booklet for
XYZ(47.1176, 41.0413, 5.4384)
contains.

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Color

**XYZ(47.1634, 40.9817,
5.4245)**

Conversions

Conversions Part 1

Format	Color
Hex	F09800
RGB	240, 152, 0
RGB Percent	94%, 60%, 0%
CMY	0.0588, 0.4039, 0.9999
CMYK	0.00, 0.37, 1.00, 0.06
HSL	38°, 100%, 47%
HSV	38°, 100%, 94%
XYZ	47.1634, 40.9817, 5.4245
YIQ	160.9840, 101.2400, -28.6160

Conversions

Conversions Part 2

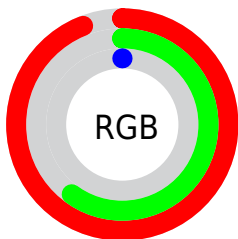
Format	Color
R_{YB}	139, 240, 0
Decimal	15767552
CIE _{Lab}	70.16, 24.45, 74.97
CIE _{LCh}	70, 78.852, 71.934
Yxy	40.9817, 0.5040, 0.4380
Android (android.graphics.Color)	4293957632 (0xFFFF09800)
YUV	160.9840, -79.3651, 69.2970
Hunter-Lab	64.0170, 19.4772, 39.7879

Details

The XYZ color **47.1634, 40.9817, 5.4245** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **19.2185, 13.2718, 83.9862**, and the grayscale version is **34.1951, 35.9759, 39.1777**.

A 20% lighter version of the original color is **64.6158, 65.9244, 16.1565**, and **22.7851, 18.6545, 2.3998** is the 20% darker color. If you saturate the color by 10%, you get **47.1634, 40.9821, 5.4246**, and if you desaturate by 10%, it is **48.8110, 44.0133, 6.7877**.

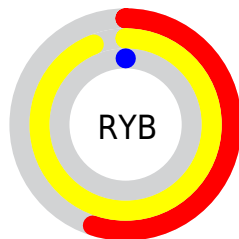
Distribution



Red (94%)

Green (60%)

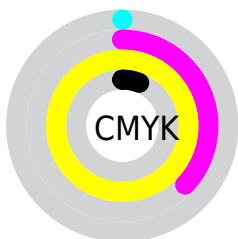
Blue (0%)



Red (55%)

Yellow (94%)

Blue (0%)

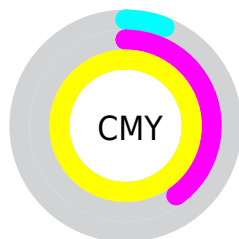


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1634, 40.9817, 5.4245 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 47.1634, 40.9817, 5.4245 by changing the saturation by 10% instead.

47.1634, 40.9817,
5.4245

47.1634, 40.9817,
5.4245

366.1044,
350.2441, 162.9427

33.3733, 28.3048,
2.4354

85.1747, 76.6561,
17.1807

22.5732, 18.5555,
0.8056

110.1267,
100.4224, 26.7849

14.3976, 11.3496,
0.0000

139.5300,
128.6539, 39.4311

8.4813, 6.3025,
0.0000

173.7501,
161.7351, 55.5380

4.4588, 3.0299,
0.0000

213.1522,
200.0503, 75.5241

1.9648, 1.1473,
0.0000

258.1017,


0.6141, 0.0181,


243.9840, 99.8078


0.0000


 308.9640,
293.9204, 128.8079


 0.0000, 0.0000,
0.0000


 47.1634, 40.9817,
5.4245


 47.1634, 40.9817,
5.4245


 47.1634, 40.9821,
5.4246

 48.8110, 44.0133,
6.7877

 50.7697, 47.3407,
9.2596

 53.1064, 50.9958,
13.1774

 55.8609, 54.9979,
18.7412

 59.0671, 59.3639,
26.1189

■ 62.7548, 64.1087,
35.4577

■ 66.9508, 69.2462,
46.8896

■ 71.6797, 74.7893,
60.5349

■ 76.9645, 80.7501,
76.5047

Harmonies

Analogous

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



60.4771, 40.9817, 11.9896



47.1634, 40.9817, 5.4245



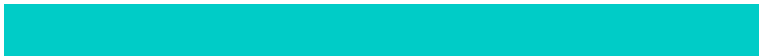
34.0433, 40.9817, 4.9560

Triad

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



47.1634, 40.9817, 5.4245



19.3711, 40.9817, 60.9873



57.9958, 40.9817, 121.0994

Complementary

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



47.1634, 40.9817, 5.4245



19.2185, 13.2718, 83.9862

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.



44.3110, 40.9817, 156.4929



47.1634, 40.9817, 5.4245



23.2569, 40.9817, 110.9414

Square

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



47.1634, 40.9817, 5.4245



19.8054, 40.9817, 26.0154



31.7535, 40.9817, 151.9961



67.6204, 40.9817, 70.4826

Rectangle

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



47.1634, 40.9817, 5.4245



27.2472, 40.9817, 7.4055



31.7535, 40.9817, 151.9961



53.6042, 40.9817, 136.1647

Sweetspot

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



47.1643, 40.9838, 5.4252



76.7818, 79.4057, 53.6632



37.6968, 19.2301, 10.9593



15.9834, 16.4507, 10.2360



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.



47.1643, 40.9838, 5.4252



54.0728, 46.9257, 6.2076



57.1727, 75.7298, 11.6044



16.6074, 17.4278, 16.6383



25.9494, 22.6968, 3.0132



2.2532, 2.0772, 0.2822

Inverse Universe

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



19.2185, 13.2718, 83.9862



22.0082, 15.1364, 96.3694



16.3242, 6.5988, 82.8507



15.3718, 16.1778, 20.0340



10.6360, 7.4962, 46.0142



0.9766, 0.8071, 3.8585

Previews

White Background



This preview shows how the XYZ color 47.1634, 40.9817, 5.4245 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 47.1634, 40.9817, 5.4245 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 47.1634, 40.9817, 5.4245

Background



This preview shows how black text looks on a background with the XYZ color 47.1634, 40.9817, 5.4245.



This preview shows how white text looks on a background with the XYZ color 47.1634, 40.9817,

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

47.1634, 40.9817, 5.4245

Protanopia

37.1018, 41.0149, 6.4915

Deuteranopia

41.7125, 40.9461, 5.7049



Tritanopia

53.1984, 40.9096, 34.7982

Trichromacy



Original Color

47.1634, 40.9817, 5.4245

Protanomaly

40.3795, 40.7833, 6.0603

Deuteranomaly

43.4495, 40.8038, 5.5859

Tritanomaly

49.5913, 40.3470, 16.4833

Monochromacy



Original Color

47.1634, 40.9817, 5.4245

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.8603, 36.3602, 17.6985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1634, 40.9817, 5.4245 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(240, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 152, 0)  
}
```

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(240, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.1634, 40.9817, 5.4245 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(240, 152, 0) }
```


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

```
.border{ border-color:rgb(240, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1634, 40.9817, 5.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 152, 0) }
```

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

```
.background{ background-color: rgb(240,  
152, 0) }
```

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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