

Converting Colors

XYZ(47.9846, 40.9299, 19.1724)

Have a look what the booklet for
XYZ(47.9846, 40.9299, 19.1724)
contains.

XYZ(47.9814, 40.8569, 19.2672)	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(47.9814, 40.8569,
19.2672)**

Conversions

Conversions Part 1

Format	Color
Hex	EB976B
RGB	235, 151, 107
RGB Percent	92%, 59%, 42%
CMY	0.0784, 0.4078, 0.5804
CMYK	0.00, 0.36, 0.54, 0.08
HSL	21°, 76%, 67%
HSV	21°, 54%, 92%
XYZ	47.9814, 40.8569, 19.2672
YIQ	171.1000, 64.1880, 4.1240

Conversions

Conversions Part 2

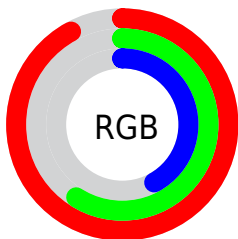
Format	Color
R _Y B	235, 174, 107
Decimal	15439723
CIE Lab	70.08, 27.11, 36.12
CIE LCh	70, 45.161, 53.116
Yxy	40.8569, 0.4438, 0.3779
Android (android.graphics.Color)	4293629803 (0xFFEB976B)
YUV	171.1000, -31.6013, 56.0403
Hunter-Lab	63.9194, 22.1329, 26.8718

Details

The XYZ color **47.9814, 40.8569, 19.2672** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.6886, 46.3834, 85.4580**, and the grayscale version is **38.8911, 40.9165, 44.5581**.

A 20% lighter version of the original color is **69.5693, 67.9058, 42.2413**, and **23.1301, 18.4593, 6.3469** is the 20% darker color. If you saturate the color by 10%, you get **44.5875, 35.7862, 12.8429**, and if you desaturate by 10%, it is **52.0379, 46.7153, 27.5703**.

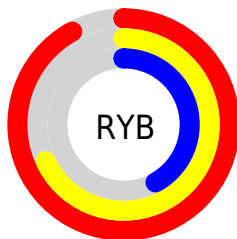
Distribution



Red (92%)

Green (59%)

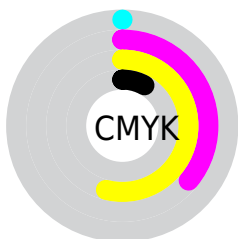
Blue (42%)



Red (92%)

Yellow (68%)

Blue (42%)

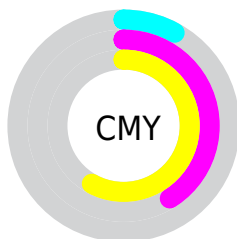


Cyan (0%)

Magenta (36%)

Yellow (54%)

Black (8%)



Cyan (8%)


Magenta (41%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9814, 40.8569, 19.2672 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 47.9814, 40.8569, 19.2672 by changing the saturation by 10% instead.


 47.9814, 40.8569,
19.2672


 47.9814, 40.8569,
19.2672


369.3022,
349.7222, 260.3916


 34.0233, 28.2073,
11.6847


 86.3866, 76.4666,
43.0278


 23.0745, 18.4820,
6.4095


 111.5644,
100.1955, 60.0431

 14.7695, 11.2966,
3.0228


 141.2129,
128.3863, 81.0396

 8.7431, 6.2667,
1.1063

 175.6973,
161.4233, 106.4361

 4.6297, 3.0079,
0.0000

215.3831,
199.6910, 136.6510

 2.0642, 1.1359,
0.0000

260.6357,

 0.6696, 0.0084,

243.5738, 172.1029

0.0000

311.8202,
293.4561, 213.2102

■ 0.0000, 0.0000,
0.0000

■ 47.9814, 40.8569,
19.2672

■ 47.9814, 40.8569,
19.2672

■ 44.5875, 35.7862,
12.8429

■ 52.0379, 46.7153,
27.5703

■ 41.8128, 31.4610,
8.1440

■ 56.7905, 53.3890,
37.8844

■ 39.6125, 27.8436,
4.9961

■ 62.2741, 60.9112,
50.3324

■ 37.9328, 24.8898,
3.1858

■ 68.5199, 69.3118,
65.0263

■ 37.1878, 23.5160,
2.5790

■ 75.5573, 78.6188,
82.0707

■ 83.4142, 88.8592,
101.5632

■ 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



53.3900, 40.8569, 30.3708



47.9814, 40.8569, 19.2672



40.5578, 40.8569, 15.1208

Triad

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



47.9814, 40.8569, 19.2672



26.3875, 40.8569, 39.7940



44.6709, 40.8569, 93.2673

Complementary

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



47.9814, 40.8569, 19.2672



39.6886, 46.3834, 85.4580

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.



37.1583, 40.8569, 98.2141



47.9814, 40.8569, 19.2672



27.1967, 40.8569, 62.4115

Square

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



47.9814, 40.8569, 19.2672



28.5592, 40.8569, 24.2918



30.9287, 40.8569, 85.5188



51.3160, 40.8569, 73.5847

Rectangle

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



47.9814, 40.8569, 19.2672



35.7033, 40.8569, 15.4974



30.9287, 40.8569, 85.5188



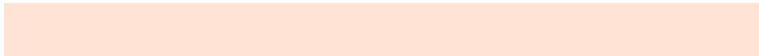
42.1410, 40.8569, 96.9198

Sweetspot

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



47.9824, 40.8590, 19.2680



81.2090, 81.7369, 75.2490



49.0701, 31.9984, 53.6532



17.0396, 17.0363, 15.2947



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.



47.9824, 40.8590, 19.2680



53.3686, 42.6154, 14.9191



60.8770, 66.6482, 23.5662



15.4889, 15.9007, 15.7715



20.8037, 13.3016, 1.4710



1.7203, 1.2179, 0.1444

Inverse Universe

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



39.6886, 46.3834, 85.4580



42.3917, 49.7518, 101.9765



28.8218, 24.6498, 81.8358



15.0564, 16.1993, 19.2555



14.9194, 16.4858, 46.1387



1.2605, 1.4724, 3.6526

Previews

White Background



This preview shows how the XYZ color 47.9814, 40.8569, 19.2672 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 47.9814, 40.8569, 19.2672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

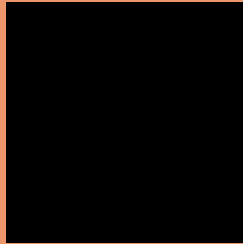
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9814, 40.8569, 19.2672

Background



This preview shows how black text looks on a background with the XYZ color 47.9814, 40.8569, 19.2672.



This preview shows how white text looks on a background with the XYZ color 47.9814, 40.8569,

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

47.9814, 40.8569, 19.2672

Protanopia

38.0967, 41.1820, 22.1607

Deuteranopia

41.7866, 40.9603, 18.8004



Tritanopia

51.7228, 41.0018, 36.6405

Trichromacy



Original Color

47.9814, 40.8569, 19.2672

Protanomaly

41.1019, 40.5581, 20.9914

Deuteranomaly

43.8614, 40.7216, 18.9129

Tritanomaly

50.2811, 40.8796, 29.2852

Monochromacy



Original Color

47.9814, 40.8569, 19.2672

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.8689, 40.1584, 33.6143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9814, 40.8569, 19.2672 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, 151, 107)` looks like.

```
.text, #text, p{  
    color:rgb(235, 151, 107)  
}
```

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, 151, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 151, 107) }
```

Border

The CSS property to change the border of an element to XYZ 47.9814, 40.8569, 19.2672 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, 151, 107) }
```


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

```
.border{ border-color:rgb(235, 151, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 151, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 151, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 151, 107);  
box-shadow:4px 4px 4px 4px rgb(235, 151,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9814, 40.8569, 19.2672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 151, 107) }
```

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

```
.background{ background-color: rgb(235,  
151, 107) }
```

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