

Converting Colors

XYZ(47.2958, 41.9591, 16.3986)

Have a look what the booklet for
XYZ(47.2958, 41.9591, 16.3986)
contains.

XYZ(47.4012, 42.0960, 16.4535)	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(47.4012, 42.0960,
16.4535)**

Conversions

Conversions Part 1

Format	Color
Hex	E89D5F
RGB	232, 157, 95
RGB Percent	91%, 62%, 37%
CMY	0.0902, 0.3843, 0.6274
CMYK	0.00, 0.32, 0.59, 0.09
HSL	27°, 75%, 64%
HSV	27°, 59%, 91%
XYZ	47.4012, 42.0960, 16.4535
YIQ	172.3570, 64.6020, -3.3820

Conversions

Conversions Part 2

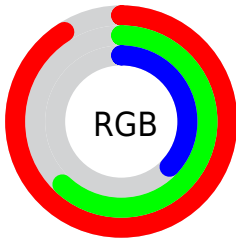
Format	Color
R _Y B	232, 208, 95
Decimal	15244639
CIE Lab	70.94, 21.78, 43.36
CIE LCh	71, 48.526, 63.330
Yxy	42.0960, 0.4474, 0.3973
Android (android.graphics.Color)	4293434719 (0xFFE89D5F)
YUV	172.3570, -38.1370, 52.3069
Hunter-Lab	64.8814, 16.8664, 30.3815

Details

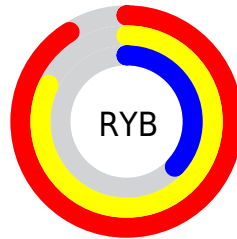
The XYZ color **47.4012, 42.0960, 16.4535** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **33.6586, 37.0066, 81.7124**, and the grayscale version is **39.5590, 41.6192, 45.3233**.

A 20% lighter version of the original color is **70.0499, 70.4536, 37.5106**, and **22.7783, 19.1846, 5.0872** is the 20% darker color. If you saturate the color by 10%, you get **44.4615, 37.6606, 11.0229**, and if you desaturate by 10%, it is **50.8802, 47.1079, 23.6135**.

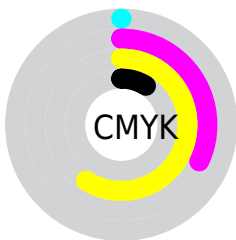
Distribution



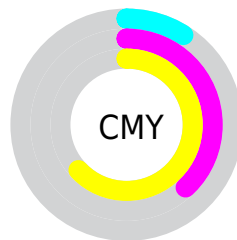
- Red (91%)
- Green (62%)
- Blue (37%)



- Red (91%)
- Yellow (82%)
- Blue (37%)



- Cyan (0%)
- Magenta (32%)
- Yellow (59%)
- Black (9%)




- Cyan (9%)
- Magenta (38%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4012, 42.0960, 16.4535 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 47.4012, 42.0960, 16.4535 by changing the saturation by 10% instead.


 47.4012, 42.0960,
16.4535


 47.4012, 42.0960,
16.4535


367.0359,
354.8807, 243.9395

 33.5622, 29.1765,
9.6878

 85.5273, 78.3449,
38.1614


 22.7188, 19.2144,
5.0896


 110.5451,
102.4431, 53.9407

 14.5055, 11.8253,
2.2403


 140.0199,
131.0362, 73.5616

 8.5572, 6.6248,
0.6975

 174.3170,
164.5087, 97.4427

 4.5083, 3.2286,
0.0000

213.8018,
203.2451, 126.0025

 1.9935, 1.2522,
0.0000

258.8396,

 0.6303, 0.1037,

247.6296, 159.6595

0.0000

309.7959,
298.0467, 198.8323

■ 0.0000, 0.0000,
0.0000

■ 47.4012, 42.0960,
16.4535

■ 47.4012, 42.0960,
16.4535

■ 44.4615, 37.6606,
11.0229

■ 50.8802, 47.1079,
23.6135

■ 42.0226, 33.7703,
7.1654

■ 54.9274, 52.7132,
32.6360

■ 40.0441, 30.3993,
4.6997

■ 59.5726, 58.9354,
43.6434

■ 38.4660, 27.5115,
3.3461

■ 64.8426, 65.7949,
56.7470

■ 38.3303, 27.2593,
3.2413

■ 70.7625, 73.3108,
72.0498

■ 77.3556, 81.5016,
89.6480

■ 84.2552, 90.2291,
107.5830

■ 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



54.4541, 42.0960, 25.4681



47.4012, 42.0960, 16.4535



39.1147, 42.0960, 14.2098

Triad

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



47.4012, 42.0960, 16.4535



26.4129, 42.0960, 48.4705



49.1740, 42.0960, 93.9979

Complementary

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



47.4012, 42.0960, 16.4535



33.6586, 37.0066, 81.7124

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.



40.9208, 42.0960, 106.1878



47.4012, 42.0960, 16.4535



28.3782, 42.0960, 74.9051

Square

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



47.4012, 42.0960, 16.4535



27.6661, 42.0960, 28.6171



33.4318, 42.0960, 98.2344



55.5706, 42.0960, 68.8606

Rectangle

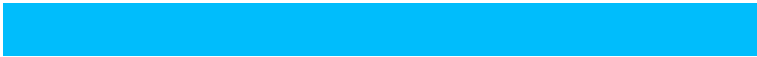
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4012, 42.0960, 16.4535



34.1654, 42.0960, 15.9060



33.4318, 42.0960, 98.2344



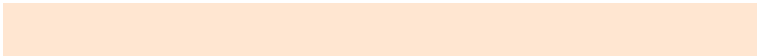
46.4880, 42.0960, 100.0681

Sweetspot

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



47.4022, 42.0981, 16.4543



81.0228, 82.3921, 72.0194



44.6598, 28.2560, 41.3044



16.9110, 17.0804, 14.3230



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.



47.4022, 42.0981, 16.4543



54.3448, 45.4947, 12.3868



62.3097, 71.9132, 21.4235



14.9115, 15.4369, 15.0982



21.4018, 15.3777, 1.8402



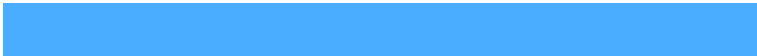
1.6733, 1.3199, 0.1666

Inverse Universe

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



33.6586, 37.0066, 81.7124



35.8247, 38.5829, 100.1668



24.0217, 17.7328, 78.5001



14.2334, 15.1883, 18.3258



12.4269, 11.9159, 44.0282



1.0108, 1.0656, 3.2844

Previews

White Background



This preview shows how the XYZ color 47.4012, 42.0960, 16.4535 looks on a white background.

Color Contrast Check

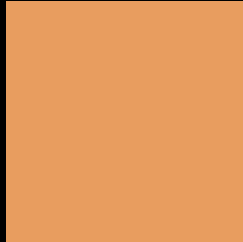
Large Text (above 18pt) WCAG AA × Fail

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 47.4012, 42.0960, 16.4535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

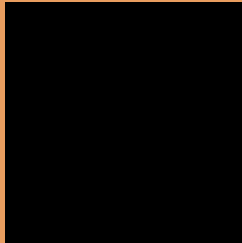
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4012, 42.0960, 16.4535

Background



This preview shows how black text looks on a background with the XYZ color 47.4012, 42.0960, 16.4535.



This preview shows how white text looks on a background with the XYZ color 47.4012, 42.0960,

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

47.4012, 42.0960, 16.4535

Protanopia

38.9709, 42.2881, 18.4203

Deuteranopia

43.0526, 42.2089, 16.2339



Tritanopia

52.0177, 42.0375, 38.6301

Trichromacy



Original Color

47.4012, 42.0960, 16.4535

Protanomaly

41.7084, 42.0279, 17.7183

Deuteranomaly

44.6328, 42.2182, 16.3862

Tritanomaly

49.9331, 41.8962, 28.7476

Monochromacy



Original Color

47.4012, 42.0960, 16.4535

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.1009, 41.1204, 32.1563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4012, 42.0960, 16.4535 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(232, 157, 95)` looks like.

```
.text, #text, p{  
    color:rgb(232, 157, 95)  
}
```

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(232, 157, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 157, 95) }
```

Border

The CSS property to change the border of an element to XYZ 47.4012, 42.0960, 16.4535 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(232, 157, 95) }
```


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

```
.border{ border-color:rgb(232, 157, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 157, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 157, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 157, 95);  
box-shadow:4px 4px 4px 4px rgb(232, 157,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4012, 42.0960, 16.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 157, 95) }
```

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

```
.background{ background-color: rgb(232,  
157, 95) }
```

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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