

Converting Colors

XYZ(49.3264, 43.4211, 16.5692)

Have a look what the booklet for
XYZ(49.3264, 43.4211, 16.5692)
contains.

XYZ(49.2175, 43.2845, 16.5872)	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(49.2175, 43.2845,
16.5872)**

Conversions

Conversions Part 1

Format	Color
Hex	ED9E5F
RGB	237, 158, 95
RGB Percent	93%, 62%, 37%
CMY	0.0706, 0.3804, 0.6274
CMYK	0.00, 0.33, 0.60, 0.07
HSL	27°, 80%, 65%
HSV	27°, 60%, 93%
XYZ	49.2175, 43.2845, 16.5872
YIQ	174.4390, 67.3070, -2.8450

Conversions

Conversions Part 2

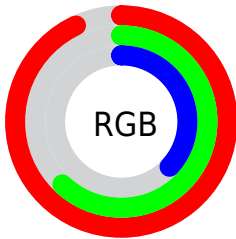
Format	Color
R_{YB}	237, 208, 95
Decimal	15572575
CIE _{Lab}	71.75, 23.29, 44.47
CIE _{LCh}	72, 50.202, 62.362
Yxy	43.2845, 0.4512, 0.3968
Android (android.graphics.Color)	4293762655 (0xFFED9E5F)
YUV	174.4390, -39.1634, 54.8660
Hunter-Lab	65.7910, 18.3997, 31.1055

Details

The XYZ color **49.2175, 43.2845, 16.5872** 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 **35.1406, 38.8175, 85.7608**, and the grayscale version is **40.6302, 42.7461, 46.5505**.

A 20% lighter version of the original color is **70.3007, 70.9551, 37.5942**, and **23.7786, 19.8524, 5.1634** is the 20% darker color. If you saturate the color by 10%, you get **46.1702, 38.6598, 11.0408**, and if you desaturate by 10%, it is **52.8358, 48.5272, 23.9410**.

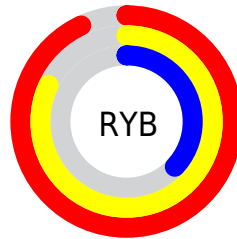
Distribution



Red (93%)

Green (62%)

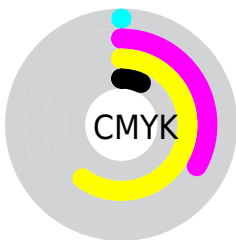
Blue (37%)



Red (93%)

Yellow (82%)

Blue (37%)

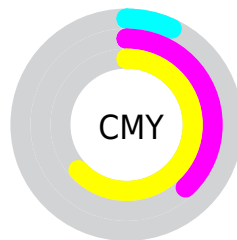


Cyan (0%)

Magenta (33%)

Yellow (60%)

Black (7%)



Cyan (7%)


Magenta (38%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2175, 43.2845, 16.5872 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 49.2175, 43.2845, 16.5872 by changing the saturation by 10% instead.


 49.2175, 43.2845,
16.5872


 49.2175, 43.2845,
16.5872


374.1007,
359.7805, 244.7451

 35.0073, 30.1084,
9.7818


 88.2132, 80.1400,
38.3955

 23.8350, 19.9209,
5.1508


 113.7294,
104.5882, 54.2355

 15.3354, 12.3375,
2.2757


 143.7449,
133.5626, 73.9241

 9.1429, 6.9740,
0.7176

 178.6252,
167.4475, 97.8798

 4.8924, 3.4458,
0.0000

218.7356,
206.6273, 126.5213

 2.2184, 1.3687,
0.0000

264.4414,

 0.7524, 0.1935,

251.4865, 160.2669

0.0000

316.1080,
302.4094, 199.5353

■ 0.0000, 0.0000,
0.0000

■ 49.2175, 43.2845,
16.5872

■ 49.2175, 43.2845,
16.5872

■ 46.1702, 38.6598,
11.0408

■ 52.8358, 48.5272,
23.9410

■ 43.6525, 34.6191,
7.1349

■ 57.0561, 54.4065,
33.2440

■ 41.6208, 31.1340,
4.6746

■ 61.9107, 60.9483,
44.6266

■ 40.0051, 28.1631,
3.3333

■ 67.4281, 68.1747,
58.2069

■ 39.9925, 28.1396,
3.3237

■ 73.6352, 76.1065,
74.0943

■ 80.5571, 84.7639,
92.3906

■ 87.2526, 93.7799,
108.1104

■ 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



56.5876, 43.2845, 26.2131



49.2175, 43.2845, 16.5872



40.4692, 43.2845, 14.0769

Triad

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



49.2175, 43.2845, 16.5872



26.8474, 43.2845, 49.0894



50.5470, 43.2845, 98.9048

Complementary

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



49.2175, 43.2845, 16.5872



35.1406, 38.8175, 85.7608

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.



41.8194, 43.2845, 111.2655



49.2175, 43.2845, 16.5872



28.7965, 43.2845, 76.9666

Square

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



49.2175, 43.2845, 16.5872



28.2676, 43.2845, 28.5437



33.9996, 43.2845, 102.1078



57.4266, 43.2845, 72.4155

Rectangle

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



49.2175, 43.2845, 16.5872



35.2175, 43.2845, 15.6938



33.9996, 43.2845, 102.1078



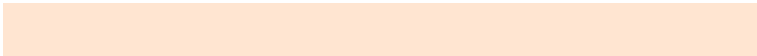
47.6932, 43.2845, 105.1947

Sweetspot

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



49.2185, 43.2867, 16.5880



80.9094, 82.1652, 71.9816



46.8011, 29.3028, 43.9878



16.8835, 17.0254, 14.3139



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.



49.2185, 43.2867, 16.5880



53.7592, 44.4580, 11.7766



64.6056, 74.0609, 21.7171



15.6156, 16.1542, 15.8138



21.9608, 15.6159, 1.8567



1.8190, 1.4153, 0.1773

Inverse Universe

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



35.1406, 38.8175, 85.7608



35.7246, 38.6680, 100.1885



25.0031, 18.5426, 82.3817



14.9261, 15.9387, 19.2120



12.9719, 12.5909, 45.4896



1.1143, 1.1801, 3.6039

Previews

White Background



This preview shows how the XYZ color 49.2175, 43.2845, 16.5872 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 49.2175, 43.2845, 16.5872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

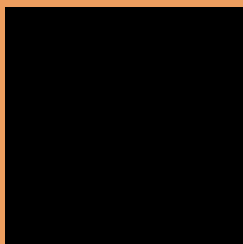
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2175, 43.2845, 16.5872

Background



This preview shows how black text looks on a background with the XYZ color 49.2175, 43.2845, 16.5872.



This preview shows how white text looks on a background with the XYZ color 49.2175, 43.2845,

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

49.2175, 43.2845, 16.5872

Protanopia

39.8666, 43.3277, 18.5738

Deuteranopia

44.2973, 43.3945, 16.3972



Tritanopia

53.9573, 43.2631, 39.2250

Trichromacy



Original Color

49.2175, 43.2845, 16.5872

Protanomaly

42.7346, 42.8321, 17.8194

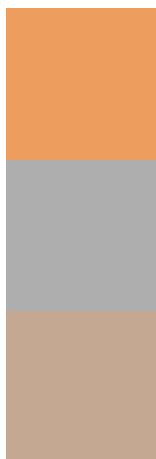
Deuteranomaly

46.0363, 43.2064, 16.5030

Tritanomaly

51.8418, 43.1139, 29.2564

Monochromacy



Original Color

49.2175, 43.2845, 16.5872

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.1394, 41.9199, 32.6584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2175, 43.2845, 16.5872 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(237, 158, 95)` looks like.

```
.text, #text, p{  
    color:rgb(237, 158, 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(237, 158, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 158, 95) }
```

Border

The CSS property to change the border of an element to XYZ 49.2175, 43.2845, 16.5872 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(237, 158, 95) }
```


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

```
.border{ border-color:rgb(237, 158, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 158, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 158, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 158, 95);  
box-shadow:4px 4px 4px 4px rgb(237, 158,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2175, 43.2845, 16.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 158, 95) }
```

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

```
.background{ background-color: rgb(237,  
158, 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](#).

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