

Converting Colors

XYZ(52.1132, 49.2476, 17.0228)

Have a look what the booklet for
XYZ(52.1132, 49.2476, 17.0228)
contains.

XYZ(52.0369, 49.0669, 17.0842)	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(52.0369, 49.0669,
17.0842)**

Conversions

Conversions Part 1

Format	Color
Hex	EDAE5D
RGB	237, 174, 93
RGB Percent	93%, 68%, 36%
CMY	0.0706, 0.3176, 0.6353
CMYK	0.00, 0.27, 0.61, 0.07
HSL	34°, 80%, 65%
HSV	34°, 61%, 93%
XYZ	52.0369, 49.0669, 17.0842
YIQ	183.6030, 63.5490, -11.8350

Conversions

Conversions Part 2

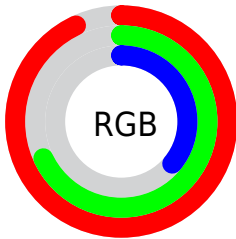
Format	Color
R _Y B	205, 237, 93
Decimal	15576669
CIE Lab	75.49, 14.67, 49.87
CIE LCh	75, 51.987, 73.610
Yxy	49.0669, 0.4403, 0.4152
Android (android.graphics.Color)	4293766749 (0xFFEDA5D)
YUV	183.6030, -44.6673, 46.8292
Hunter-Lab	70.0478, 10.0200, 34.5730

Details

The XYZ color **52.0369, 49.0669, 17.0842** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **31.6882, 32.2173, 84.6688**, and the grayscale version is **45.5560, 47.9284, 52.1941**.

A 20% lighter version of the original color is **74.4476, 79.3739, 38.5910**, and **25.5089, 23.4333, 5.3691** is the 20% darker color. If you saturate the color by 10%, you get **49.2193, 44.8596, 11.7442**, and if you desaturate by 10%, it is **55.3366, 53.7184, 24.1902**.

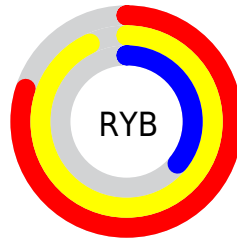
Distribution



Red (93%)

Green (68%)

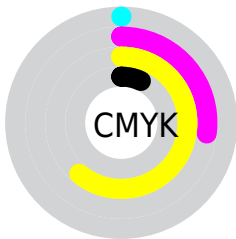
Blue (36%)



Red (80%)

Yellow (93%)

Blue (36%)

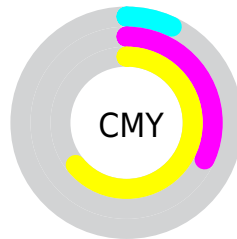


Cyan (0%)

Magenta (27%)

Yellow (61%)

Black (7%)



Cyan (7%)


Magenta (32%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0369, 49.0669, 17.0842 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 52.0369, 49.0669, 17.0842 by changing the saturation by 10% instead.


 52.0369, 49.0669,
17.0842


 52.0369, 49.0669,
17.0842


384.9007,
383.0056, 247.7175


 37.2589, 34.6726,
10.1319

 92.3596, 88.7908,
39.2631


 25.5826, 23.4107,
5.3798


 118.6349,
114.8892, 55.3269

 16.6427, 14.8971,
2.4092

 149.4734,
145.6576, 75.2649

 10.0738, 8.7472,
0.7914

 185.2404,
181.4806, 99.4957

 5.5105, 4.5767,
0.0000

226.3013,
222.7425, 128.4378

 2.5876, 2.0011,
0.0000

273.0214,

 0.9396, 0.6081,

269.8277, 162.5098

0.0000

325.7661,
323.1206, 202.1301

■ 0.0000, 0.0000,
0.0000

■ 52.0369, 49.0669,
17.0842

■ 52.0369, 49.0669,
17.0842

■ 49.2193, 44.8596,
11.7442

■ 55.3366, 53.7184,
24.1902

■ 46.8458, 41.0697,
8.0021

■ 59.1456, 58.8245,
33.2038

■ 44.8766, 37.6777,
5.6614

■ 63.4926, 64.4037,
44.2552

■ 43.3565, 34.8676,
4.4450

■ 68.4030, 70.4713,
57.4624

■ 73.9002, 77.0415,
72.9343

■ 80.0065, 84.1281,
90.7722

■ 86.1077, 91.4901,
107.7287

■ 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.



61.3059, 49.0669, 24.6467



52.0369, 49.0669, 17.0842



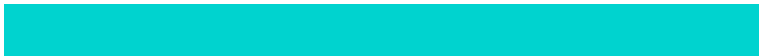
42.4299, 49.0669, 16.7759

Triad

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



52.0369, 49.0669, 17.0842



30.9096, 49.0669, 66.8437



60.5497, 49.0669, 101.5225

Complementary

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



52.0369, 49.0669, 17.0842



31.6882, 32.2173, 84.6688

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.



51.1126, 49.0669, 122.9628



52.0369, 49.0669, 17.0842



34.5166, 49.0669, 98.7678

Square

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



52.0369, 49.0669, 17.0842



31.0859, 49.0669, 39.8639



41.6235, 49.0669, 121.8103



66.6628, 49.0669, 69.7592

Rectangle

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



52.0369, 49.0669, 17.0842



37.1543, 49.0669, 20.4042



41.6235, 49.0669, 121.8103



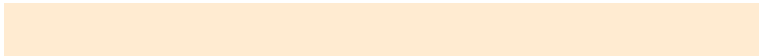
57.6089, 49.0669, 110.5947

Sweetspot

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



52.0381, 49.0693, 17.0852



82.4466, 85.2395, 72.4940



44.9939, 28.2954, 35.3482



17.2577, 17.7738, 14.4386



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.



52.0381, 49.0693, 17.0852



57.3619, 51.7926, 12.5795



64.8288, 78.1483, 22.0238



15.7685, 16.4600, 15.8647



23.8042, 19.3026, 2.4712



1.9647, 1.7067, 0.2259

Inverse Universe

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



31.6882, 32.2173, 84.6688



31.4453, 30.3831, 98.8149



24.4785, 16.6644, 82.0468



14.7734, 15.6331, 19.1611



11.1562, 8.9595, 44.8843



0.9703, 0.8920, 3.5559

Previews

White Background



This preview shows how the XYZ color 52.0369, 49.0669, 17.0842 looks on a white background.

Color Contrast Check

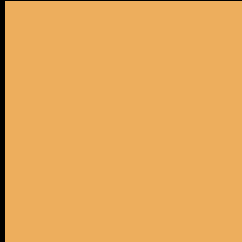
Large Text (above 18pt) WCAG AA × Fail

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 52.0369, 49.0669, 17.0842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

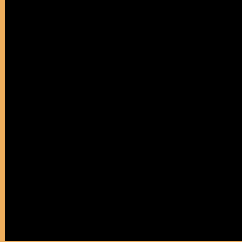
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0369, 49.0669, 17.0842

Background



This preview shows how black text looks on a background with the XYZ color 52.0369, 49.0669, 17.0842.



This preview shows how white text looks on a background with the XYZ color 52.0369, 49.0669,

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

52.0369, 49.0669, 17.0842

Protanopia

45.1702, 49.1027, 18.4063

Deuteranopia

49.9670, 48.8750, 16.9255



Tritanopia

58.1734, 48.7799, 47.9444

Trichromacy



Original Color

52.0369, 49.0669, 17.0842

Protanomaly

47.4545, 49.0521, 18.0332

Deuteranomaly

50.7358, 48.9792, 16.9051

Tritanomaly

55.4666, 48.7814, 33.6865

Monochromacy



Original Color

52.0369, 49.0669, 17.0842

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.5358, 47.5734, 36.0080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0369, 49.0669, 17.0842 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, 174, 93)` looks like.

```
.text, #text, p{  
    color:rgb(237, 174, 93)  
}
```

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, 174, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 174, 93) }
```

Border

The CSS property to change the border of an element to XYZ 52.0369, 49.0669, 17.0842 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, 174, 93) }
```


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

```
.border{ border-color:rgb(237, 174, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 174, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 174, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 174, 93);  
box-shadow:4px 4px 4px 4px rgb(237, 174,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0369, 49.0669, 17.0842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 174, 93) }
```

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

```
.background{ background-color: rgb(237,  
174, 93) }
```

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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