

Converting Colors

XYZ(50.1669, 49.1419, 9.5306)

Have a look what the booklet for
XYZ(50.1669, 49.1419, 9.5306)
contains.

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Color

**XYZ(50.1669, 49.1419,
9.5306)**

Conversions

Conversions Part 1

Format	Color
Hex	EAB12F
RGB	234, 177, 47
RGB Percent	92%, 69%, 18%
CMY	0.0824, 0.3059, 0.8157
CMYK	0.00, 0.24, 0.80, 0.08
HSL	42°, 82%, 55%
HSV	42°, 80%, 92%
XYZ	50.1669, 49.1419, 9.5306
YIQ	179.2230, 75.7020, -28.3460

Conversions

Conversions Part 2

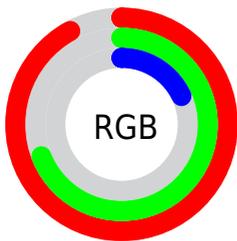
Format	Color
R _Y B	129, 234, 47
Decimal	15380783
CIE Lab	75.54, 9.51, 69.03
CIE LCh	76, 69.678, 82.156
Yxy	49.1419, 0.4609, 0.4515
Android (android.graphics.Color)	4293570863 (0xFFEAB12F)
YUV	179.2230, -65.1859, 48.0394
Hunter-Lab	70.1013, 5.0635, 41.0101

Details

The XYZ color **50.1669, 49.1419, 9.5306** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **20.9738, 16.4452, 79.9101**, and the grayscale version is **43.2768, 45.5306, 49.5828**.

A 20% lighter version of the original color is **72.5953, 79.9727, 24.7068**, and **24.5672, 23.5515, 3.2511** is the 20% darker color. If you saturate the color by 10%, you get **48.4434, 46.2590, 7.2184**, and if you desaturate by 10%, it is **52.2190, 52.2781, 13.2001**.

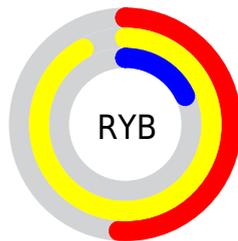
Distribution



Red (92%)

Green (69%)

Blue (18%)



Red (51%)

Yellow (92%)

Blue (18%)

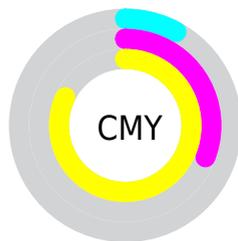


Cyan (0%)

Magenta (24%)

Yellow (80%)

Black (8%)



Cyan (8%)

Magenta (31%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1669, 49.1419, 9.5306 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 50.1669, 49.1419, 9.5306 by changing the saturation by 10% instead.

 50.1669, 49.1419,
9.5306

 50.1669, 49.1419,
9.5306

377.7595,
383.3007, 197.6498

 35.7644, 34.7321,
4.9874

 89.6125, 88.9022,
25.5026

 24.4215, 23.4565,
2.1812

 115.3862,
115.0214, 37.7685

 15.7730, 14.9310,
0.6635

 145.6810,
145.8125, 53.4457

 9.4535, 8.7710,
0.0000

 180.8624,
181.6600, 72.9527

 5.0976, 4.5921,
0.0000

 221.2955,
222.9481, 96.7081

 2.3400, 2.0100,
0.0000

 267.3458,

 0.8150, 0.6133,

270.0613, 125.1303

0.0000

319.3787,
323.3841, 158.6381

■ 0.0000, 0.0000,
0.0000

■ 50.1669, 49.1419,
9.5306

■ 50.1669, 49.1419,
9.5306

■ 48.4434, 46.2590,
7.2184

■ 52.2190, 52.2781,
13.2001

■ 46.9841, 43.5957,
5.9444

■ 54.6329, 55.6765,
18.4111

■ 46.9718, 43.5731,
5.9348

■ 57.4405, 59.3537,
25.3219

■ 60.6691, 63.3222,
34.0703

■ 64.3430, 67.5935,
44.7799

 68.4847, 72.1779,
57.5634

 73.1148, 77.0855,
72.5252

 78.2526, 82.3254,
89.7622

 83.4941, 87.7377,
107.1422

Harmonies

Analogous

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



63.5933, 49.1419, 14.7873



50.1669, 49.1419, 9.5306



37.9835, 49.1419, 11.0518

Triad

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



50.1669, 49.1419, 9.5306



27.3341, 49.1419, 84.9307



69.1004, 49.1419, 109.8245

Complementary

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



50.1669, 49.1419, 9.5306



20.9738, 16.4452, 79.9101

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.



56.6754, 49.1419, 149.6364



50.1669, 49.1419, 9.5306



33.1120, 49.1419, 131.2485

Square

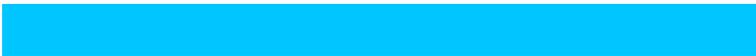
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.1669, 49.1419, 9.5306



26.2328, 49.1419, 44.4068



43.4117, 49.1419, 158.8921



75.7598, 49.1419, 63.7729

Rectangle

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



50.1669, 49.1419, 9.5306



31.9908, 49.1419, 16.2899



43.4117, 49.1419, 158.8921



65.3617, 49.1419, 125.1119

Sweetspot

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



50.1680, 49.1443, 9.5315



81.0507, 85.3371, 63.1211



37.5611, 20.5709, 15.6866



16.9670, 17.8417, 12.3400



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.



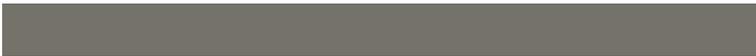
50.1680, 49.1443, 9.5315



57.6957, 54.0820, 7.6909



53.6797, 71.2909, 13.6212



15.9420, 16.8071, 15.9226



26.5119, 24.7179, 3.3737



2.1660, 2.1093, 0.2930

Inverse Universe

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



20.9738, 16.4452, 79.9101



21.4113, 13.7532, 96.1339



19.2859, 9.7360, 78.7041



14.6056, 15.2976, 19.1052



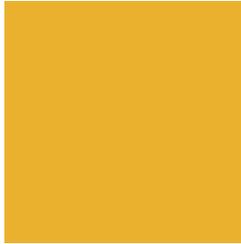
9.7204, 6.0879, 44.4057



0.8454, 0.6423, 3.5143

Previews

White Background



This preview shows how the XYZ color 50.1669, 49.1419, 9.5306 looks on a white background.

Color Contrast Check

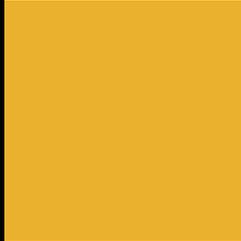
Large Text (above 18pt) WCAG AA × Fail

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 50.1669, 49.1419, 9.5306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

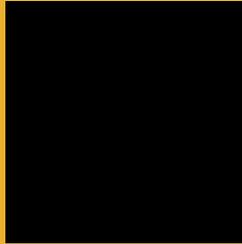
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1669, 49.1419, 9.5306

Background



This preview shows how black text looks on a background with the XYZ color 50.1669, 49.1419, 9.5306.



This preview shows how white text looks on a background with the XYZ color 50.1669, 49.1419,

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

50.1669, 49.1419, 9.5306

Protanopia

44.6405, 49.3262, 10.1857

Deuteranopia

50.1669, 49.1419, 9.5306



Tritanopia

58.1090, 49.0019, 48.5151

Trichromacy



Original Color

50.1669, 49.1419, 9.5306

Protanomaly

46.4013, 48.9941, 9.9169

Deuteranomaly

50.1669, 49.1419, 9.5306

Tritanomaly

53.8138, 48.3384, 27.6130

Monochromacy



Original Color

50.1669, 49.1419, 9.5306

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.5703, 45.6216, 27.9822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1669, 49.1419, 9.5306 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(234, 177, 47)` looks like.

```
.text, #text, p{  
    color:rgb(234, 177, 47)  
}
```

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(234, 177, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 177, 47) }
```

Border

The CSS property to change the border of an element to XYZ 50.1669, 49.1419, 9.5306 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(234, 177, 47) }
```

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

```
.border{ border-color:rgb(234, 177, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 177, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 177, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 177, 47);  
box-shadow:4px 4px 4px 4px rgb(234, 177,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1669, 49.1419, 9.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 177, 47) }
```

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

```
.background{ background-color: rgb(234,  
177, 47) }
```

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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