

Converting Colors

XYZ(50.6641, 49.4171, 8.7019)

Have a look what the booklet for
XYZ(50.6641, 49.4171, 8.7019)
contains.

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Color

**XYZ(50.6641, 49.4171,
8.7019)**

Conversions

Conversions Part 1

Format	Color
Hex	ECB126
RGB	236, 177, 38
RGB Percent	93%, 69%, 15%
CMY	0.0745, 0.3059, 0.8510
CMYK	0.00, 0.25, 0.84, 0.07
HSL	42°, 84%, 54%
HSV	42°, 84%, 93%
XYZ	50.6641, 49.4171, 8.7019
YIQ	178.7950, 79.7830, -30.7210

Conversions

Conversions Part 2

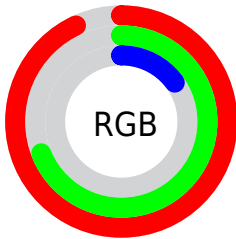
Format	Color
R_{YB}	122, 236, 38
Decimal	15511846
CIE _{Lab}	75.71, 10.10, 71.97
CIE _{LCh}	76, 72.678, 82.008
Yxy	49.4171, 0.4657, 0.4543
Android (android.graphics.Color)	4293701926 (0xFFECB126)
YUV	178.7950, -69.4119, 50.1688
Hunter-Lab	70.2973, 5.6268, 41.8688

Details

The XYZ color **50.6641, 49.4171, 8.7019** 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 **20.2144, 15.0175, 81.1896**, and the grayscale version is **43.0682, 45.3111, 49.3438**.

A 20% lighter version of the original color is **72.2543, 79.8363, 22.9110**, and **25.0128, 23.7812, 3.2719** is the 20% darker color. If you saturate the color by 10%, you get **49.0439, 46.6056, 6.8410**, and if you desaturate by 10%, it is **52.5990, 52.4731, 11.8570**.

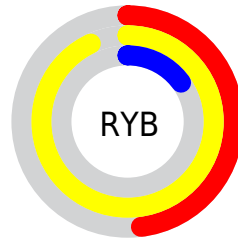
Distribution



Red (93%)

Green (69%)

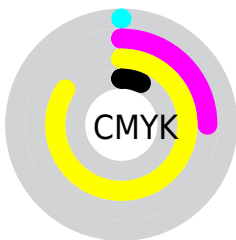
Blue (15%)



Red (48%)

Yellow (93%)

Blue (15%)

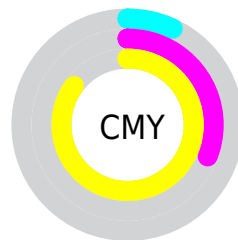


Cyan (0%)

Magenta (25%)

Yellow (84%)

Black (7%)



Cyan (7%)


Magenta (31%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6641, 49.4171, 8.7019 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 50.6641, 49.4171, 8.7019 by changing the saturation by 10% instead.


 50.6641, 49.4171,
8.7019


 50.6641, 49.4171,
8.7019


379.6665,
384.3820, 191.2737

 36.1613, 34.9505,
4.4531


 90.3440, 89.3106,
23.8919


 24.7295, 23.6247,
1.8771


 116.2518,
115.5063, 35.6701


 16.0033, 15.0555,
0.4781


 146.6921,
146.3804, 50.7953

 9.6173, 8.8583,
0.0000

 182.0300,
182.3175, 69.6859

 5.2063, 4.6489,
0.0000

 222.6311,
223.7017, 92.7605

 2.4048, 2.0428,
0.0000

 268.8607,

 0.8475, 0.6321,

270.9177, 120.4377

0.0000

321.0840,
324.3496, 153.1359

■ 0.0000, 0.0000,
0.0000

■ 50.6641, 49.4171,
8.7019

■ 50.6641, 49.4171,
8.7019

■ 49.0439, 46.6056,
6.8410

■ 52.5990, 52.4731,
11.8570

■ 48.1704, 44.9898,
6.1450

■ 54.8858, 55.7840,
16.5120

■ 57.5590, 59.3673,
22.8387

■ 60.6478, 63.2363,
30.9851

■ 64.1779, 67.4027,
41.0827

■ 68.1728, 71.8777,
53.2506

■ 72.6544, 76.6714,
67.5984

■ 77.6428, 81.7933,
84.2281

■ 83.1569, 87.2525,
103.2350

Harmonies

Analogous

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



64.7890, 49.4171, 13.9576



50.6641, 49.4171, 8.7019



37.9147, 49.4171, 10.1683

Triad

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



50.6641, 49.4171, 8.7019



26.8122, 49.4171, 86.6747



70.4877, 49.4171, 113.6172

Complementary

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



50.6641, 49.4171, 8.7019



20.2144, 15.0175, 81.1896

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.



57.3620, 49.4171, 156.0724



50.6641, 49.4171, 8.7019



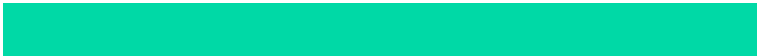
32.7593, 49.4171, 136.0185

Square

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



50.6641, 49.4171, 8.7019



25.7019, 49.4171, 44.1367



43.4590, 49.4171, 165.7986



77.5790, 49.4171, 64.7953

Rectangle

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



50.6641, 49.4171, 8.7019



31.6775, 49.4171, 15.3618



43.4590, 49.4171, 165.7986



66.5280, 49.4171, 129.9093

Sweetspot

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



50.6652, 49.4196, 8.7028



80.6685, 85.0266, 61.5947



37.4617, 20.0900, 13.3117



16.8980, 17.7906, 12.0496



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.



50.6652, 49.4196, 8.7028



57.3644, 53.5089, 7.3048



53.2145, 71.9201, 12.9115



15.9510, 16.8251, 15.9256



26.6708, 25.0358, 3.4267



2.1775, 2.1323, 0.2968

Inverse Universe

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



20.2144, 15.0175, 81.1896



20.6330, 12.3859, 95.9110



18.9432, 9.0458, 80.1040



14.5970, 15.2805, 19.1023



9.6622, 5.9714, 44.3863



0.8400, 0.6314, 3.5125

Previews

White Background



This preview shows how the XYZ color 50.6641, 49.4171, 8.7019 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 50.6641, 49.4171, 8.7019 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 50.6641, 49.4171, 8.7019

Background



This preview shows how black text looks on a background with the XYZ color 50.6641, 49.4171, 8.7019.



This preview shows how white text looks on a background with the XYZ color 50.6641, 49.4171,

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

50.6641, 49.4171, 8.7019

Protanopia

44.7489, 49.4024, 9.2749

Deuteranopia

50.3329, 49.2464, 8.6864



Tritanopia

58.6992, 49.3177, 48.0205

Trichromacy



Original Color

50.6641, 49.4171, 8.7019

Protanomaly

46.5299, 49.0802, 9.0285

Deuteranomaly

50.3329, 49.2464, 8.6864

Tritanomaly

54.2295, 48.5831, 26.2579

Monochromacy



Original Color

50.6641, 49.4171, 8.7019

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.6361, 45.6787, 26.9391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6641, 49.4171, 8.7019 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(236, 177, 38)` looks like.

```
.text, #text, p{  
    color:rgb(236, 177, 38)  
}
```

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(236, 177, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 177, 38) }
```

Border

The CSS property to change the border of an element to XYZ 50.6641, 49.4171, 8.7019 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(236, 177, 38) }
```


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

```
.border{ border-color:rgb(236, 177, 38) }
```

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

Here you see how a box with a 4 pixel rgb(236, 177, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 177, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 177, 38);  
box-shadow:4px 4px 4px 4px rgb(236, 177,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6641, 49.4171, 8.7019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 177, 38) }
```

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

```
.background{ background-color: rgb(236,  
177, 38) }
```

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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