

Converting Colors

XYZ(49.2099, 50.2145, 7.0987)

Have a look what the booklet for
XYZ(49.2099, 50.2145, 7.0987)
contains.

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Color

**XYZ(49.0410, 50.1139,
7.0882)**

Conversions

Conversions Part 1

Format	Color
Hex	E5B600
RGB	229, 182, 0
RGB Percent	90%, 71%, 0%
CMY	0.1020, 0.2862, 0.9999
CMYK	0.00, 0.21, 1.00, 0.10
HSL	48°, 100%, 45%
HSV	48°, 100%, 90%
XYZ	49.0410, 50.1139, 7.0882
YIQ	175.3050, 86.4340, -46.6380

Conversions

Conversions Part 2

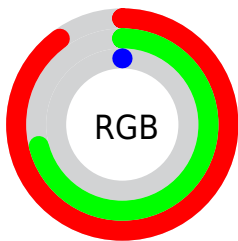
Format	Color
RYB	59, 229, 0
Decimal	15054336
CIELab	76.14, 3.88, 78.41
CIELCh	76, 78.501, 87.168
Yxy	50.1139, 0.4616, 0.4717
Android (android.graphics.Color)	4293244416 (0xFFE5B600)
YUV	175.3050, -86.4254, 47.0905
Hunter-Lab	70.7912, -0.2276, 43.6172

Details

The XYZ color **49.0410, 50.1139, 7.0882** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **15.1599, 7.6912, 74.8135**, and the grayscale version is **41.3109, 43.4623, 47.3304**.

A 20% lighter version of the original color is **73.2997, 83.0032, 19.9425**, and **24.1311, 24.2901, 3.4166** is the 20% darker color. If you saturate the color by 10%, you get **49.0412, 50.1147, 7.0884**, and if you desaturate by 10%, it is **50.1746, 52.1354, 8.2250**.

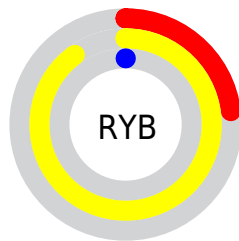
Distribution



Red (90%)

Green (71%)

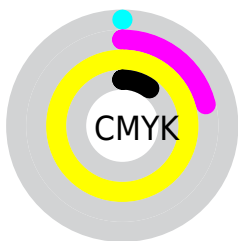
Blue (0%)



Red (23%)

Yellow (90%)

Blue (0%)

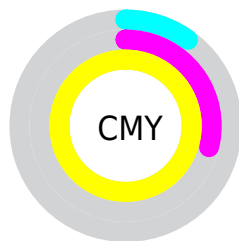


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0410, 50.1139, 7.0882 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 49.0410, 50.1139, 7.0882 by changing the saturation by 10% instead.

 49.0410, 50.1139,
7.0882


 49.0410, 50.1139,
7.0882


373.4180,
387.1112, 178.0532

 34.8667, 35.5039,
3.4380


 87.9527, 90.3436,
20.6663

 23.7262, 24.0513,
1.3224


 113.4208,
116.7321, 31.4313


 15.2543, 15.3717,
0.0801


 143.3842,
147.8156, 45.4051

 9.0855, 9.0807,
0.0000

 178.2082,
183.9784, 63.0061

 4.8546, 4.7938,
0.0000

 218.2582,
225.6050, 84.6528

 2.1961, 2.1268,
0.0000

 263.8997,

 0.7407, 0.6796,

273.0797, 110.7639

0.0000

315.4978,
326.7870, 141.7579

■ 0.0000, 0.0000,
0.0000

■ 49.0410, 50.1139,
7.0882

■ 49.0410, 50.1139,
7.0882

■ 49.0412, 50.1147,
7.0884

■ 50.1746, 52.1354,
8.2250

■ 51.5217, 54.2924,
10.3301

■ 53.1419, 56.6114,
13.7108

■ 55.0691, 59.1063,
18.5442

■ 57.3319, 61.7890,
24.9795

■ 59.9553, 64.6701,
33.1472

■ 62.9618, 67.7590,
43.1642

■ 66.3720, 71.0644,
55.1375

■ 70.2049, 74.5943,
69.1657

Harmonies

Analogous

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



64.6452, 50.1139, 10.9120



49.0410, 50.1139, 7.0882



35.8642, 50.1139, 9.6015

Triad

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



49.0410, 50.1139, 7.0882



26.6631, 50.1139, 100.4604



75.5247, 50.1139, 111.2223

Complementary

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



49.0410, 50.1139, 7.0882



15.1599, 7.6912, 74.8135

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.



61.7272, 50.1139, 162.8069



49.0410, 50.1139, 7.0882



33.9006, 50.1139, 154.6631

Square

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



49.0410, 50.1139, 7.0882



24.6243, 50.1139, 50.6655



46.2498, 50.1139, 181.7920



81.7777, 50.1139, 58.6607

Rectangle

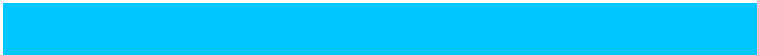
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0410, 50.1139, 7.0882



29.7759, 50.1139, 15.9780



46.2498, 50.1139, 181.7920



71.4925, 50.1139, 130.1033

Sweetspot

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



49.0421, 50.1164, 7.0892



80.2807, 86.4034, 54.8295



32.8808, 16.8854, 4.5023



16.8227, 18.1294, 10.5157



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.



49.0421, 50.1164, 7.0892



62.5175, 63.8149, 9.0225



43.3540, 63.9435, 10.0579



15.3373, 16.2884, 15.2401



28.1283, 28.8307, 4.0824



2.1421, 2.2576, 0.3229

Inverse Universe

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



15.1599, 7.6912, 74.8135



19.2929, 9.7058, 95.4643



16.3161, 6.7778, 74.5763



13.8212, 14.3639, 18.1884



8.7364, 4.5349, 42.7980



0.7112, 0.4663, 3.1845

Previews

White Background



This preview shows how the XYZ color 49.0410, 50.1139, 7.0882 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 49.0410, 50.1139, 7.0882 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 49.0410, 50.1139, 7.0882

Background



This preview shows how black text looks on a background with the XYZ color 49.0410, 50.1139, 7.0882.



This preview shows how white text looks on a background with the XYZ color 49.0410, 50.1139,

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

49.0410, 50.1139, 7.0882

Protanopia

45.4038, 50.4142, 7.6250

Deuteranopia

51.2665, 50.0524, 7.4110



Tritanopia

57.8914, 49.9305, 50.8423

Trichromacy



Original Color

49.0410, 50.1139, 7.0882

Protanomaly

46.5052, 50.0364, 7.3792

Deuteranomaly

50.4358, 49.9243, 7.2653

Tritanomaly

52.5494, 49.1952, 23.2490

Monochromacy



Original Color

49.0410, 50.1139, 7.0882

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.2953, 44.5906, 21.4693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0410, 50.1139, 7.0882 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(229, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 182, 0)  
}
```

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(229, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 182, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.0410, 50.1139, 7.0882 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(229, 182, 0) }
```


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

```
.border{ border-color:rgb(229, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 182,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0410, 50.1139, 7.0882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 182, 0) }
```

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

```
.background{ background-color: rgb(229,  
182, 0) }
```

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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