

Converting Colors

XYZ(49.0205, 48.0181, 7.1367)

Have a look what the booklet for
XYZ(49.0205, 48.0181, 7.1367)
contains.

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Color

**XYZ(49.0205, 48.0181,
7.1367)**

Conversions

Conversions Part 1

Format	Color
Hex	E9AF0F
RGB	233, 175, 15
RGB Percent	91%, 69%, 6%
CMY	0.0863, 0.3137, 0.9411
CMYK	0.00, 0.25, 0.94, 0.09
HSL	44°, 88%, 49%
HSV	44°, 94%, 91%
XYZ	49.0205, 48.0181, 7.1367
YIQ	174.1020, 85.9280, -37.4640

Conversions

Conversions Part 2

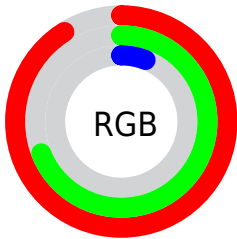
Format	Color
R_{YB}	94, 233, 15
Decimal	15314703
CIE Lab	74.84, 9.44, 75.98
CIE LCh	75, 76.560, 82.919
Yxy	48.0181, 0.4706, 0.4609
Android (android.graphics.Color)	4293504783 (0xFFE9AF0F)
YUV	174.1020, -78.4373, 51.6535
Hunter-Lab	69.2951, 5.0075, 42.4003

Details

The XYZ color **49.0205, 48.0181, 7.1367** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.2881, 10.7508, 78.2541**, and the grayscale version is **40.6463, 42.7630, 46.5690**.

A 20% lighter version of the original color is **71.1765, 78.5095, 19.9968**, and **24.0962, 22.9366, 3.1572** is the 20% darker color. If you saturate the color by 10%, you get **48.1692, 46.4539, 6.4277**, and if you desaturate by 10%, it is **50.5246, 50.5967, 8.9636**.

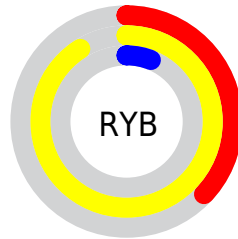
Distribution



Red (91%)

Green (69%)

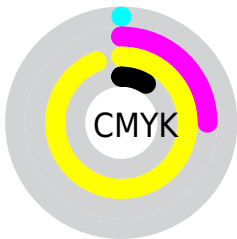
Blue (6%)



Red (37%)

Yellow (91%)

Blue (6%)

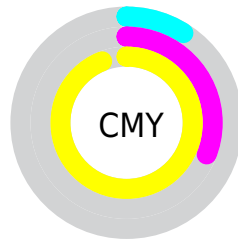


Cyan (0%)

Magenta (25%)

Yellow (94%)

Black (9%)



Cyan (9%)


Magenta (31%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0205, 48.0181, 7.1367 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 49.0205, 48.0181, 7.1367 by changing the saturation by 10% instead.


 49.0205, 48.0181,
7.1367


 49.0205, 48.0181,
7.1367


373.3386,
378.8639, 178.4686

 34.8503, 33.8412,
3.4680


 87.9224, 87.2314,
20.7652


 23.7136, 22.7716,
1.3383


 113.3849,
113.0365, 31.5621


 15.2449, 14.4250,
0.0929


 143.3422,
143.4866, 45.5722

 9.0789, 8.4168,
0.0000

 178.1597,
178.9659, 63.2139

 4.8502, 4.3628,
0.0000

 218.2028,
219.8589, 84.9059

 2.1935, 1.8785,
0.0000

 263.8367,

 0.7393, 0.5354,

266.5500, 111.0666

0.0000

315.4269,
319.4235, 142.1147

■ 0.0000, 0.0000,
0.0000

■ 49.0205, 48.0181,
7.1367

■ 49.0205, 48.0181,
7.1367

■ 48.1692, 46.4539,
6.4277

■ 50.5246, 50.5967,
8.9636

■ 52.3191, 53.3793,
12.0478

■ 54.4437, 56.3849,
16.5902

■ 56.9305, 59.6273,
22.7557

■ 59.8070, 63.1188,
30.6866

■ 63.0979, 66.8702,
40.5098

■ 66.8259, 70.8916,
52.3405

■ 71.0115, 75.1923,
66.2844

■ 75.6740, 79.7811,
82.4400

Harmonies

Analogous

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



63.7604, 48.0181, 11.8680



49.0205, 48.0181, 7.1367



35.9876, 48.0181, 8.6867

Triad

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



49.0205, 48.0181, 7.1367



25.1550, 48.0181, 88.1876



70.5037, 48.0181, 113.4803

Complementary

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



49.0205, 48.0181, 7.1367



17.2881, 10.7508, 78.2541

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.



56.8798, 48.0181, 159.4765



49.0205, 48.0181, 7.1367



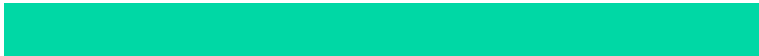
31.3255, 48.0181, 140.4104

Square

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



49.0205, 48.0181, 7.1367



23.8932, 48.0181, 43.3893



42.4182, 48.0181, 171.2556



77.6974, 48.0181, 62.3171

Rectangle

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



49.0205, 48.0181, 7.1367



29.7284, 48.0181, 13.8353



42.4182, 48.0181, 171.2556



66.4062, 48.0181, 130.9349

Sweetspot

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



49.0216, 48.0205, 7.1376



79.8467, 84.6976, 57.2678



34.9824, 18.1485, 7.9875



16.6748, 17.6762, 10.9513



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.



49.0216, 48.0205, 7.1376



59.0443, 56.8685, 7.8648



48.5486, 68.2736, 11.0718



15.9933, 16.9095, 15.9397



27.4394, 26.5730, 3.6829



2.2328, 2.2429, 0.3152

Inverse Universe

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



17.2881, 10.7508, 78.2541



20.1075, 11.3349, 95.7358



17.1174, 7.3792, 77.6124



14.5571, 15.2007, 19.0890



9.4094, 5.4658, 44.3020



0.8157, 0.5829, 3.5044

Previews

White Background



This preview shows how the XYZ color 49.0205, 48.0181, 7.1367 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 49.0205, 48.0181, 7.1367 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 49.0205, 48.0181, 7.1367

Background



This preview shows how black text looks on a background with the XYZ color 49.0205, 48.0181, 7.1367.



This preview shows how white text looks on a background with the XYZ color 49.0205, 48.0181,

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

49.0205, 48.0181, 7.1367

Protanopia

43.4789, 48.1548, 7.6193

Deuteranopia

49.0205, 48.0181, 7.1367



Tritanopia

57.1107, 47.9903, 46.8104

Trichromacy



Original Color

49.0205, 48.0181, 7.1367

Protanomaly

45.2483, 47.8431, 7.4221

Deuteranomaly

49.0205, 48.0181, 7.1367

Tritanomaly

52.2895, 47.0989, 23.1647

Monochromacy



Original Color

49.0205, 48.0181, 7.1367

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.7941, 43.1352, 22.6988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0205, 48.0181, 7.1367 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(233, 175, 15)` looks like.

```
.text, #text, p{  
    color:rgb(233, 175, 15)  
}
```

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(233, 175, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 175, 15) }
```

Border

The CSS property to change the border of an element to XYZ 49.0205, 48.0181, 7.1367 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(233, 175, 15) }
```


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

```
.border{ border-color:rgb(233, 175, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 175, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 175, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 175, 15);  
box-shadow:4px 4px 4px 4px rgb(233, 175,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0205, 48.0181, 7.1367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 175, 15) }
```

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

```
.background{ background-color: rgb(233,  
175, 15) }
```

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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