

Converting Colors

XYZ(48.8610, 47.0581, 6.5079)

Have a look what the booklet for
XYZ(48.8610, 47.0581, 6.5079)
contains.

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Color

**XYZ(49.0135, 47.1672,
6.5209)**

Conversions

Conversions Part 1

Format	Color
Hex	EBAC00
RGB	235, 172, 0
RGB Percent	92%, 67%, 0%
CMY	0.0784, 0.3255, 0.9999
CMYK	0.00, 0.27, 1.00, 0.08
HSL	44°, 100%, 46%
HSV	44°, 100%, 92%
XYZ	49.0135, 47.1672, 6.5209
YIQ	171.2290, 92.7600, -40.1360

Conversions

Conversions Part 2

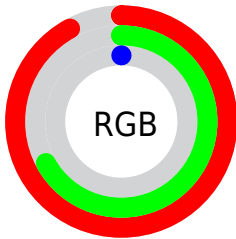
Format	Color
R _Y B	86, 235, 0
Decimal	15444992
CIE Lab	74.30, 11.75, 77.43
CIE LCh	74, 78.320, 81.375
Yxy	47.1672, 0.4772, 0.4593
Android (android.graphics.Color)	4293635072 (0xFFEBAC00)
YUV	171.2290, -84.4159, 55.9272
Hunter-Lab	68.6784, 7.2024, 42.4454

Details

The XYZ color **49.0135, 47.1672, 6.5209** 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 **16.7736, 9.5544, 79.5568**, and the grayscale version is **39.2048, 41.2465, 44.9175**.

A 20% lighter version of the original color is **70.1571, 76.7774, 18.7113**, and **23.9501, 22.3172, 3.0453** is the 20% darker color. If you saturate the color by 10%, you get **49.0136, 47.1677, 6.5210**, and if you desaturate by 10%, it is **50.4020, 49.6888, 7.7725**.

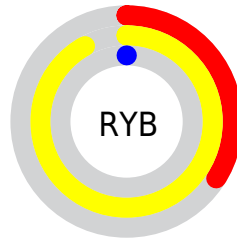
Distribution



Red (92%)

Green (67%)

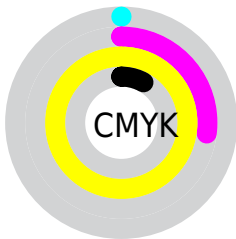
Blue (0%)



Red (34%)

Yellow (92%)

Blue (0%)

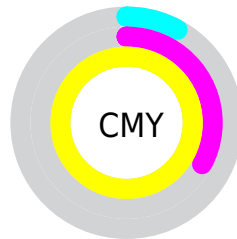


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0135, 47.1672, 6.5209 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 49.0135, 47.1672, 6.5209 by changing the saturation by 10% instead.


 49.0135, 47.1672,
6.5209


 49.0135, 47.1672,
6.5209


373.3115,
375.4815, 173.0982


 34.8448, 33.1679,
3.0905


 87.9121, 85.9631,
19.4989


 23.7093, 22.2551,
1.1410


 113.3727,
111.5285, 29.8835


 15.2417, 14.0444,
0.0000


 143.3279,
141.7181, 43.4233

 9.0766, 8.1516,
0.0000

 178.1432,
176.9161, 60.5367

 4.8487, 4.1921,
0.0000

 218.1838,
217.5071, 81.6424

 2.1926, 1.7816,
0.0000

 263.8152,

 0.7388, 0.4757,

263.8754, 107.1588

0.0000

315.4027,
316.4054, 137.5046

■ 0.0000, 0.0000,
0.0000

■ 49.0135, 47.1672,
6.5209

■ 49.0135, 47.1672,
6.5209

■ 49.0136, 47.1677,
6.5210

■ 50.4020, 49.6888,
7.7725

■ 52.0408, 52.4007,
10.0627

■ 53.9928, 55.3313,
13.7146

■ 56.2948, 58.4964,
18.9176

■ 58.9775, 61.9095,
25.8308

■ 62.0682, 65.5826,
34.5934

■ 65.5911, 69.5265,
45.3302

■ 69.5685, 73.7513,
58.1553

■ 74.0211, 78.2662,
73.1739

Harmonies

Analogous

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



63.9359, 47.1672, 11.4845



49.0135, 47.1672, 6.5209



35.6728, 47.1672, 7.7123

Triad

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



49.0135, 47.1672, 6.5209



24.0562, 47.1672, 85.1029



69.4728, 47.1672, 116.5242

Complementary

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



49.0135, 47.1672, 6.5209



16.7736, 9.5544, 79.5568

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.



55.4361, 47.1672, 162.6282



49.0135, 47.1672, 6.5209



29.9703, 47.1672, 138.8279

Square

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



49.0135, 47.1672, 6.5209



23.0436, 47.1672, 40.5880



40.8935, 47.1672, 172.4250



77.2655, 47.1672, 63.8801

Rectangle

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



49.0135, 47.1672, 6.5209



29.2161, 47.1672, 12.3880



40.8935, 47.1672, 172.4250



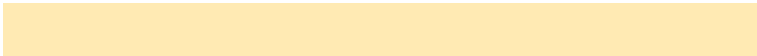
65.2047, 47.1672, 134.2400

Sweetspot

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



49.0146, 47.1696, 6.5218



78.8893, 83.6208, 54.3657



35.2619, 18.0628, 6.8748



16.4879, 17.4597, 10.4041



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.



49.0146, 47.1696, 6.5218



58.9342, 56.6484, 7.8281



49.4961, 69.6173, 10.8293



15.9906, 16.9041, 15.9388



27.3890, 26.4723, 3.6661



2.2292, 2.2357, 0.3140

Inverse Universe

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



16.7736, 9.5544, 79.5568



20.1389, 11.3978, 95.7463



16.3572, 6.7005, 79.0279



14.5597, 15.2058, 19.0899



9.4246, 5.4962, 44.3071



0.8172, 0.5859, 3.5049

Previews

White Background



This preview shows how the XYZ color 49.0135, 47.1672, 6.5209 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 49.0135, 47.1672, 6.5209 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 49.0135, 47.1672, 6.5209

Background



This preview shows how black text looks on a background with the XYZ color 49.0135, 47.1672, 6.5209.



This preview shows how white text looks on a background with the XYZ color 49.0135, 47.1672,

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

49.0135, 47.1672, 6.5209

Protanopia

42.9519, 47.5781, 7.3351

Deuteranopia

48.4148, 47.4279, 6.6028



Tritanopia

56.9793, 47.1749, 45.1322

Trichromacy



Original Color

49.0135, 47.1672, 6.5209

Protanomaly

44.9858, 47.4140, 7.0392

Deuteranomaly

48.5478, 47.2108, 6.5538

Tritanomaly

51.9710, 46.1803, 20.6425

Monochromacy



Original Color

49.0135, 47.1672, 6.5209

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.5714, 41.6993, 20.4311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0135, 47.1672, 6.5209 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(235, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 172, 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(235, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 172, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.0135, 47.1672, 6.5209 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(235, 172, 0) }
```


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

```
.border{ border-color:rgb(235, 172, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 172, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 172,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0135, 47.1672, 6.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 172, 0) }
```

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

```
.background{ background-color: rgb(235,  
172, 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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