

Converting Colors

XYZ(49.0142, 48.3769, 7.5659)

Have a look what the booklet for
XYZ(49.0142, 48.3769, 7.5659)
contains.

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Color

**XYZ(48.9587, 48.2683,
7.5469)**

Conversions

Conversions Part 1

Format	Color
Hex	E8B017
RGB	232, 176, 23
RGB Percent	91%, 69%, 9%
CMY	0.0902, 0.3098, 0.9098
CMYK	0.00, 0.24, 0.90, 0.09
HSL	44°, 82%, 50%
HSV	44°, 90%, 91%
XYZ	48.9587, 48.2683, 7.5469
YIQ	175.3020, 82.4890, -35.7110

Conversions

Conversions Part 2

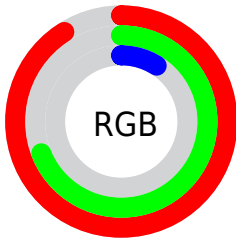
Format	Color
R_{YB}	99, 232, 23
Decimal	15249431
CIE _{Lab}	74.99, 8.59, 74.73
CIE _{LCh}	75, 75.223, 83.442
Yxy	48.2683, 0.4673, 0.4607
Android (android.graphics.Color)	4293439511 (0xFFE8B017)
YUV	175.3020, -75.0849, 49.7241
Hunter-Lab	69.4754, 4.2055, 42.1923

Details

The XYZ color **48.9587, 48.2683, 7.5469** 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 **17.7151, 11.6008, 77.6489**, and the grayscale version is **41.2530, 43.4014, 47.2641**.

A 20% lighter version of the original color is **71.5774, 79.1164, 20.7310**, and **24.0022, 23.0732, 3.1885** is the 20% darker color. If you saturate the color by 10%, you get **47.6235, 45.8457, 6.3391**, and if you desaturate by 10%, it is **50.5492, 50.9015, 9.7672**.

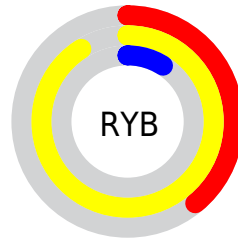
Distribution



Red (91%)

Green (69%)

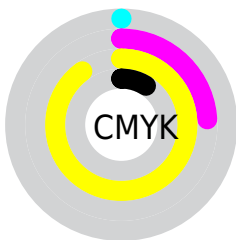
Blue (9%)



Red (39%)

Yellow (91%)

Blue (9%)

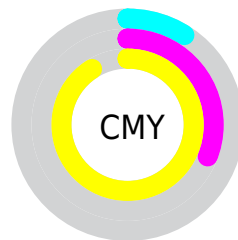


Cyan (0%)

Magenta (24%)

Yellow (90%)

Black (9%)



Cyan (9%)

Magenta (31%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9587, 48.2683, 7.5469 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 48.9587, 48.2683, 7.5469 by changing the saturation by 10% instead.


 48.9587, 48.2683,
7.5469


 48.9587, 48.2683,
7.5469


373.0994,
379.8546, 181.9335


 34.8011, 34.0394,
3.7228


 87.8312, 87.6037,
21.5966


 23.6755, 22.9239,
1.4746


 113.2768,
113.4791, 32.6593

 15.2165, 14.5373,
0.1989


 143.2159,
144.0054, 46.9719

 9.0588, 8.4953,
0.0000

 178.0136,
179.5670, 64.9531

 4.8370, 4.4135,
0.0000

 218.0355,
220.5483, 87.0213

 2.1857, 1.9074,
0.0000

 263.6469,

 0.7352, 0.5528,

267.3338, 113.5950

0.0000

315.2130,
320.3077, 145.0929

■ 0.0000, 0.0000,
0.0000

■ 48.9587, 48.2683,
7.5469

■ 48.9587, 48.2683,
7.5469

■ 47.6235, 45.8457,
6.3391

■ 50.5492, 50.9015,
9.7672

■ 52.4423, 53.7442,
13.3067

■ 54.6746, 56.8142,
18.3500

■ 57.2760, 60.1246,
25.0513

■ 60.2728, 63.6869,
33.5457

■ 63.6887, 67.5118,
43.9543

■ 67.5452, 71.6088,
56.3875

■ 71.8624, 75.9871,
70.9475

■ 76.6589, 80.6551,
87.7293

Harmonies

Analogous

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



63.4648, 48.2683, 12.2164



48.9587, 48.2683, 7.5469



36.1572, 48.2683, 9.2345

Triad

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



48.9587, 48.2683, 7.5469



25.6711, 48.2683, 88.7323



70.5152, 48.2683, 111.6688

Complementary

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



48.9587, 48.2683, 7.5469



17.7151, 11.6008, 77.6489

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.



57.2005, 48.2683, 156.8994



48.9587, 48.2683, 7.5469



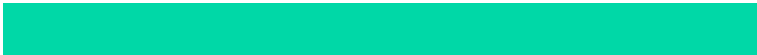
31.8825, 48.2683, 139.6712

Square

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



48.9587, 48.2683, 7.5469



24.3328, 48.2683, 44.3865



42.9285, 48.2683, 169.1149



77.4156, 48.2683, 61.6710

Rectangle

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



48.9587, 48.2683, 7.5469



30.0151, 48.2683, 14.5579



42.9285, 48.2683, 169.1149



66.5276, 48.2683, 128.7717

Sweetspot

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



48.9598, 48.2707, 7.5478



80.2740, 85.1217, 58.7373



35.1166, 18.3815, 9.7244



16.8463, 17.8561, 11.5114



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.



48.9598, 48.2707, 7.5478



58.9425, 56.6649, 7.8308



49.4358, 68.3040, 11.3896



15.2578, 16.1296, 15.2136



26.5479, 25.6699, 3.5556



2.0373, 2.0479, 0.2879

Inverse Universe

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



17.7151, 11.6008, 77.6489



20.1365, 11.3931, 95.7455



17.2762, 7.6787, 76.9150



13.8954, 14.5121, 18.2131



9.1360, 5.3340, 42.9312



0.7501, 0.5441, 3.1975

Previews

White Background



This preview shows how the XYZ color 48.9587, 48.2683, 7.5469 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 48.9587, 48.2683, 7.5469 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 48.9587, 48.2683, 7.5469

Background



This preview shows how black text looks on a background with the XYZ color 48.9587, 48.2683, 7.5469.



This preview shows how white text looks on a background with the XYZ color 48.9587, 48.2683,

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

48.9587, 48.2683, 7.5469

Protanopia

43.5478, 48.1824, 7.9822

Deuteranopia

49.4265, 48.2183, 7.5662



Tritanopia

57.0471, 48.2108, 47.3732

Trichromacy



Original Color

48.9587, 48.2683, 7.5469

Protanomaly

45.5187, 48.2778, 7.8392

Deuteranomaly

49.0991, 48.0495, 7.5508

Tritanomaly

52.3178, 47.3659, 24.1544

Monochromacy



Original Color

48.9587, 48.2683, 7.5469

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.4851, 43.7518, 24.0277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9587, 48.2683, 7.5469 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(232, 176, 23)` looks like.

```
.text, #text, p{  
    color:rgb(232, 176, 23)  
}
```

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(232, 176, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 176, 23) }
```

Border

The CSS property to change the border of an element to XYZ 48.9587, 48.2683, 7.5469 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(232, 176, 23) }
```


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

```
.border{ border-color:rgb(232, 176, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 176, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 176, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 176, 23);  
box-shadow:4px 4px 4px 4px rgb(232, 176,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9587, 48.2683, 7.5469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 176, 23) }
```

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

```
.background{ background-color: rgb(232,  
176, 23) }
```

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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