

Converting Colors

XYZ(48.9276, 47.9059, 10.0362)

Have a look what the booklet for
XYZ(48.9276, 47.9059, 10.0362)
contains.

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Color

**XYZ(48.9276, 47.9059,
10.0362)**

Conversions

Conversions Part 1

Format	Color
Hex	E7AF35
RGB	231, 175, 53
RGB Percent	91%, 69%, 21%
CMY	0.0941, 0.3137, 0.7921
CMYK	0.00, 0.24, 0.77, 0.09
HSL	41°, 79%, 56%
HSV	41°, 77%, 91%
XYZ	48.9276, 47.9059, 10.0362
YIQ	177.8360, 72.5380, -26.0700

Conversions

Conversions Part 2

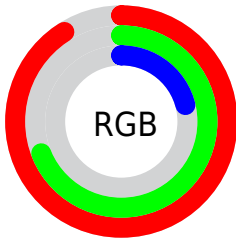
Format	Color
R_{YB}	135, 231, 53
Decimal	15183669
CIE _{Lab}	74.77, 9.49, 66.15
CIE _{LCh}	75, 66.825, 81.836
Yxy	47.9059, 0.4578, 0.4483
Android (android.graphics.Color)	4293373749 (0xFFE7AF35)
YUV	177.8360, -61.5441, 46.6248
Hunter-Lab	69.2141, 5.0574, 39.8527

Details

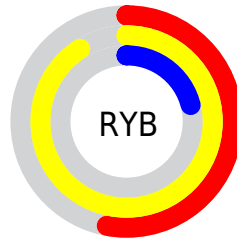
The XYZ color **48.9276, 47.9059, 10.0362** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **21.3606, 17.4633, 77.8458**, and the grayscale version is **42.5197, 44.7341, 48.7154**.

A 20% lighter version of the original color is **72.2436, 78.9363, 25.6159**, and **23.8775, 22.8238, 3.1470** is the 20% darker color. If you saturate the color by 10%, you get **47.1425, 44.9912, 7.4214**, and if you desaturate by 10%, it is **51.0468, 51.0799, 14.0255**.

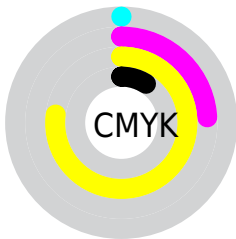
Distribution



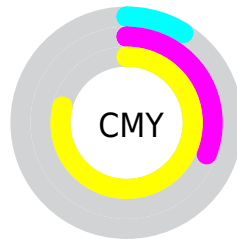
- Red (91%)
- Green (69%)
- Blue (21%)



- Red (53%)
- Yellow (91%)
- Blue (21%)



- Cyan (0%)
- Magenta (24%)
- Yellow (77%)
- Black (9%)





- Cyan (9%)
- Magenta (31%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9276, 47.9059, 10.0362 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 48.9276, 47.9059, 10.0362 by changing the saturation by 10% instead.


 48.9276, 47.9059,
10.0362


 48.9276, 47.9059,
10.0362


372.9789,
378.4190, 201.4244


 34.7763, 33.7524,
5.3170


 87.7853, 87.0643,
26.4724


 23.6564, 22.7034,
2.3725


 113.2224,
112.8379, 39.0266


 15.2023, 14.3747,
0.7714


 143.1522,
143.2537, 55.0296

 9.0487, 8.3817,
0.0000

 177.9401,
178.6961, 74.8998

 4.8303, 4.3402,
0.0000

 217.9513,
219.5494, 99.0558

 2.1818, 1.8656,
0.0000

 263.5513,

 0.7331, 0.5276,

266.1981, 127.9163

0.0000

315.1054,
319.0265, 161.8996

■ 0.0000, 0.0000,
0.0000

■ 48.9276, 47.9059,
10.0362

■ 48.9276, 47.9059,
10.0362

■ 47.1425, 44.9912,
7.4214

■ 51.0468, 51.0799,
14.0255

■ 45.6450, 42.3096,
5.9562

■ 53.5306, 54.5214,
19.5580

■ 45.2384, 41.5560,
5.6368

■ 56.4089, 58.2462,
26.7810

■ 59.7071, 62.2662,
35.8235

■ 63.4486, 66.5924,
46.8021

■ 67.6544, 71.2351,
59.8236

■ 72.3445, 76.2037,
74.9867

■ 77.5372, 81.5075,
92.3840

■ 82.2848, 86.7687,
107.0189

Harmonies

Analogous

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



61.5258, 47.9059, 15.2883



48.9276, 47.9059, 10.0362



37.3944, 47.9059, 11.4718

Triad

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



48.9276, 47.9059, 10.0362



27.1273, 47.9059, 81.1722



66.4519, 47.9059, 105.3053

Complementary

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



48.9276, 47.9059, 10.0362



21.3606, 17.4633, 77.8458

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.



54.7745, 47.9059, 142.0246



48.9276, 47.9059, 10.0362



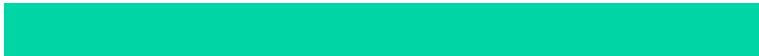
32.5838, 47.9059, 124.3131

Square

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



48.9276, 47.9059, 10.0362



26.1222, 47.9059, 43.2357



42.2994, 47.9059, 150.2044



72.7540, 47.9059, 62.2380

Rectangle

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



48.9276, 47.9059, 10.0362



31.6762, 47.9059, 16.5350



42.2994, 47.9059, 150.2044



62.9361, 47.9059, 119.4675

Sweetspot

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



48.9287, 47.9083, 10.0371



81.3978, 85.5696, 64.6601



37.0084, 20.6476, 16.6074



17.0266, 17.8728, 12.6318



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.



48.9287, 47.9083, 10.0371



57.9344, 54.4411, 8.1354



52.6040, 69.4643, 14.0041



15.1992, 16.0122, 15.1940



25.4774, 23.5289, 3.1987



1.9650, 1.9033, 0.2638

Inverse Universe

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



21.3606, 17.4633, 77.8458



22.3672, 15.4140, 96.4041



19.5014, 10.2774, 76.5567



13.9509, 14.6233, 18.2316



9.5077, 6.0776, 43.0552



0.7835, 0.6109, 3.2086

Previews

White Background



This preview shows how the XYZ color 48.9276, 47.9059, 10.0362 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 48.9276, 47.9059, 10.0362 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 48.9276, 47.9059, 10.0362

Background



This preview shows how black text looks on a background with the XYZ color 48.9276, 47.9059, 10.0362.



This preview shows how white text looks on a background with the XYZ color 48.9276, 47.9059,

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

48.9276, 47.9059, 10.0362

Protanopia

43.7949, 48.2488, 10.7461

Deuteranopia

48.9276, 47.9059, 10.0362



Tritanopia

56.5303, 47.6797, 47.2979

Trichromacy



Original Color

48.9276, 47.9059, 10.0362

Protanomaly

45.5324, 47.9225, 10.4646

Deuteranomaly

48.9276, 47.9059, 10.0362

Tritanomaly

52.5075, 47.1090, 27.7982

Monochromacy



Original Color

48.9276, 47.9059, 10.0362

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.9817, 45.0081, 28.6123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9276, 47.9059, 10.0362 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(231, 175, 53)` looks like.

```
.text, #text, p{  
    color:rgb(231, 175, 53)  
}
```

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(231, 175, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 175, 53) }
```

Border

The CSS property to change the border of an element to XYZ 48.9276, 47.9059, 10.0362 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(231, 175, 53) }
```


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

```
.border{ border-color:rgb(231, 175, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 175, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 175, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 175, 53);  
box-shadow:4px 4px 4px 4px rgb(231, 175,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9276, 47.9059, 10.0362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 175, 53) }
```

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

```
.background{ background-color: rgb(231,  
175, 53) }
```

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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