

Converting Colors

XYZ(48.1982, 48.9126, 8.3992)

Have a look what the booklet for
XYZ(48.1982, 48.9126, 8.3992)
contains.

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Color

**XYZ(48.2885, 49.0889,
8.4434)**

Conversions

Conversions Part 1

Format	Color
Hex	E3B422
RGB	227, 180, 34
RGB Percent	89%, 71%, 13%
CMY	0.1098, 0.2941, 0.8666
CMYK	0.00, 0.21, 0.85, 0.11
HSL	45°, 78%, 51%
HSV	45°, 85%, 89%
XYZ	48.2885, 49.0889, 8.4434
YIQ	177.4090, 74.8780, -35.4420

Conversions

Conversions Part 2

Format	Color
R_{YB}	96, 227, 34
Decimal	14922786
CIE _{Lab}	75.51, 4.54, 72.48
CIE _{LCh}	76, 72.625, 86.413
Yxy	49.0889, 0.4563, 0.4639
Android (android.graphics.Color)	4293112866 (0xFFE3B422)
YUV	177.4090, -70.7006, 43.4913
Hunter-Lab	70.0635, 0.4131, 41.8993

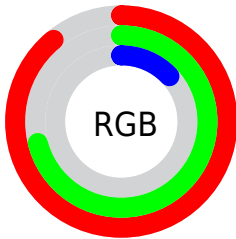
Details

The XYZ color **48.2885, 49.0889, 8.4434** is a light color, and the websafe version is hex **FFCC33**.

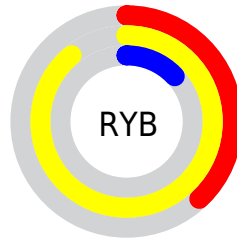
The color can be described as light washed orange. A complement of this color would be **17.4674, 11.7711, 74.0238**, and the grayscale version is **42.3398, 44.5447, 48.5092**.

A 20% lighter version of the original color is **73.0139, 81.5029, 22.7099**, and **23.6555, 23.6538, 3.3189** is the 20% darker color. If you saturate the color by 10%, you get **46.9692, 46.8131, 6.8863**, and if you desaturate by 10%, it is **49.8703, 51.5448, 11.1534**.

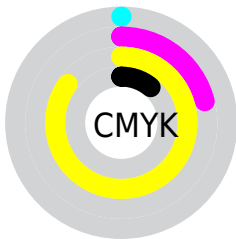
Distribution



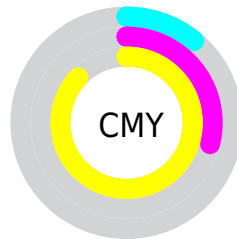
- Red (89%)
- Green (71%)
- Blue (13%)



- Red (38%)
- Yellow (89%)
- Blue (13%)



- Cyan (0%)
- Magenta (21%)
- Yellow (85%)
- Black (11%)





- Cyan (11%)
- Magenta (29%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2885, 49.0889, 8.4434 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 48.2885, 49.0889, 8.4434 by changing the saturation by 10% instead.


 48.2885, 49.0889,
8.4434


 48.2885, 49.0889,
8.4434


370.4981,
383.0922, 189.2322


 34.2676, 34.6900,
4.2881


 86.8409, 88.8235,
23.3836

 23.2631, 23.4242,
1.7847


 112.1031,
114.9279, 35.0056


 14.9097, 14.9070,
0.4178


 141.8432,
145.7031, 49.9535

 8.8419, 8.7542,
0.0000

 176.4264,
181.5332, 68.6460

 4.6945, 4.5812,
0.0000

 216.2181,
222.8028, 91.5016

 2.1021, 2.0037,
0.0000

 261.5838,

 0.6903, 0.6096,

269.8963, 118.9388

0.0000

312.8886,
323.1979, 151.3762

■ 0.0000, 0.0000,
0.0000

■ 48.2885, 49.0889,
8.4434

■ 48.2885, 49.0889,
8.4434

■ 46.9692, 46.8131,
6.8863

■ 49.8703, 51.5448,
11.1534

■ 46.3786, 45.7314,
6.3826

■ 51.7485, 54.1894,
15.2072

■ 53.9547, 57.0379,
20.7639

■ 56.5153, 60.1018,
27.9595

■ 59.4535, 63.3911,
36.9149

■ 62.7906, 66.9151,
47.7393

■ 66.5462, 70.6822,
60.5331

■ 70.7383, 74.7006,
75.3897

■ 75.3839, 78.9777,
92.3962

Harmonies

Analogous

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



62.4167, 49.0889, 12.5256



48.2885, 49.0889, 8.4434



36.1060, 49.0889, 10.8512

Triad

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



48.2885, 49.0889, 8.4434



27.1722, 49.0889, 93.4670



71.5895, 49.0889, 105.5630

Complementary

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



48.2885, 49.0889, 8.4434



17.4674, 11.7711, 74.0238

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.



59.0872, 49.0889, 150.5555



48.2885, 49.0889, 8.4434



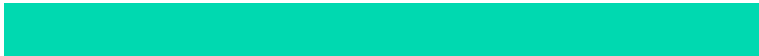
33.8029, 49.0889, 141.5322

Square

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



48.2885, 49.0889, 8.4434



25.3724, 49.0889, 48.9636



45.0637, 49.0889, 166.1447



77.3967, 49.0889, 58.2013

Rectangle

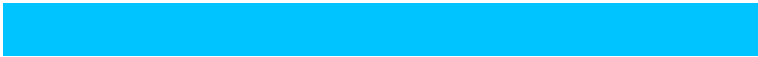
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.2885, 49.0889, 8.4434



30.3684, 49.0889, 17.0019



45.0637, 49.0889, 166.1447



67.9263, 49.0889, 122.1990

Sweetspot

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



48.2896, 49.0913, 8.4444



81.2172, 86.5699, 60.4026



33.7832, 18.0883, 9.7445



17.0513, 18.1823, 11.8379



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.



48.2896, 49.0913, 8.4444



60.2897, 59.3595, 8.2799



46.2906, 64.6072, 11.5446



15.2887, 16.1913, 15.2239



27.1440, 26.8622, 3.7543



2.0771, 2.1275, 0.3012

Inverse Universe

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



17.4674, 11.7711, 74.0238



19.7776, 10.6752, 95.6259



17.9391, 8.4958, 73.3667



13.8664, 14.4542, 18.2034



8.9670, 4.9962, 42.8749



0.7341, 0.5122, 3.1921

Previews

White Background



This preview shows how the XYZ color 48.2885, 49.0889, 8.4434 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 48.2885, 49.0889, 8.4434 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 48.2885, 49.0889, 8.4434

Background



This preview shows how black text looks on a background with the XYZ color 48.2885, 49.0889, 8.4434.



This preview shows how white text looks on a background with the XYZ color 48.2885, 49.0889,

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

48.2885, 49.0889, 8.4434

Protanopia

44.6671, 49.3697, 8.8442

Deuteranopia

50.3015, 49.2338, 8.5210



Tritanopia

56.8329, 49.1334, 49.6683

Trichromacy



Original Color

48.2885, 49.0889, 8.4434

Protanomaly

45.7628, 49.0013, 8.6363

Deuteranomaly

49.5025, 49.1179, 8.4618

Tritanomaly

52.1876, 48.3610, 26.6627

Monochromacy



Original Color

48.2885, 49.0889, 8.4434

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.1277, 44.9236, 25.8528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2885, 49.0889, 8.4434 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(227, 180, 34)` looks like.

```
.text, #text, p{  
    color:rgb(227, 180, 34)  
}
```

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(227, 180, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 180, 34) }
```

Border

The CSS property to change the border of an element to XYZ 48.2885, 49.0889, 8.4434 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(227, 180, 34) }
```


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

```
.border{ border-color:rgb(227, 180, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 180, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 180, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 180, 34);  
box-shadow:4px 4px 4px 4px rgb(227, 180,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2885, 49.0889, 8.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 180, 34) }
```

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

```
.background{ background-color: rgb(227,  
180, 34) }
```

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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