

Converting Colors

XYZ(50.2337, 50.5792, 14.2361)

Have a look what the booklet for
XYZ(50.2337, 50.5792, 14.2361)
contains.

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Color

**XYZ(50.0980, 50.4999,
14.3147)**

Conversions

Conversions Part 1

Format	Color
Hex	E4B64E
RGB	228, 182, 78
RGB Percent	89%, 71%, 31%
CMY	0.1059, 0.2863, 0.6941
CMYK	0.00, 0.20, 0.66, 0.11
HSL	42°, 74%, 60%
HSV	42°, 66%, 89%
XYZ	50.0980, 50.4999, 14.3147
YIQ	183.8980, 60.8000, -22.5920

Conversions

Conversions Part 2

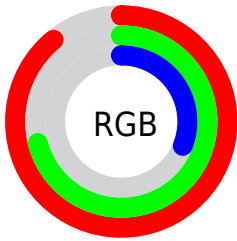
Format	Color
RYB	144, 228, 78
Decimal	14988878
CIELab	76.38, 5.72, 57.57
CIELCh	76, 57.855, 84.324
Yxy	50.4999, 0.4360, 0.4395
Android (android.graphics.Color)	4293178958 (0xFFE4B64E)
YUV	183.8980, -52.2077, 38.6775
Hunter-Lab	71.0633, 1.4777, 37.8012

Details

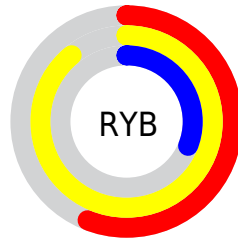
The XYZ color **50.0980, 50.4999, 14.3147** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **24.3528, 21.6356, 76.2910**, and the grayscale version is **45.7605, 48.1436, 52.4284**.

A 20% lighter version of the original color is **75.9113, 84.0478, 33.6946**, and **24.3478, 24.1897, 4.0953** is the 20% darker color. If you saturate the color by 10%, you get **48.0221, 47.4374, 10.2653**, and if you desaturate by 10%, it is **52.5310, 53.8236, 19.8816**.

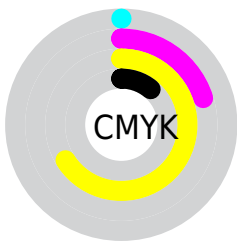
Distribution



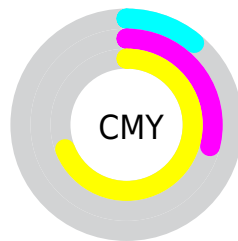
- Red (89%)
- Green (71%)
- Blue (31%)



- Red (56%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (20%)
- Yellow (66%)
- Black (11%)





- Cyan (11%)
- Magenta (29%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0980, 50.4999, 14.3147 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 50.0980, 50.4999, 14.3147 by changing the saturation by 10% instead.


 50.0980, 50.4999,
14.3147


 50.0980, 50.4999,
14.3147


377.4947,
388.6176, 230.6760

 35.7094, 35.8108,
8.1986


 89.5110, 90.9151,
34.3715


 24.3789, 24.2881,
4.1327


 115.2661,
117.4100, 49.1493


 15.7412, 15.5475,
1.6984


 145.5408,
148.6089, 67.6515

 9.4309, 9.2045,
0.3597

 180.7003,
184.8962, 90.2965

 5.0826, 4.8748,
0.0000

 221.1102,
226.6563, 117.5029

 2.3311, 2.1740,
0.0000

267.1356,

 0.8105, 0.7058,

274.2737, 149.6893

0.0000

319.1420,
328.1327, 187.2741

■ 0.0000, 0.0000,
0.0000

■ 50.0980, 50.4999,
14.3147

■ 50.0980, 50.4999,
14.3147

■ 48.0221, 47.4374,
10.2653

■ 52.5310, 53.8236,
19.8816

■ 46.2680, 44.6144,
7.5682

■ 55.3450, 57.4137,
27.1023

■ 44.7979, 42.0161,
6.0246

■ 58.5655, 61.2839,
36.1009

■ 44.2366, 40.9776,
5.5780

■ 62.2146, 65.4448,
46.9890

■ 66.3125, 69.9058,
59.8688

■ 70.8781, 74.6761,
74.8353

■ 75.9293, 79.7641,
91.9772

■ 80.6004, 84.8253,
106.7326

■ 82.6749, 88.9742,
107.4240

Harmonies

Analogous

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



61.2643, 50.4999, 19.2604



50.0980, 50.4999, 14.3147



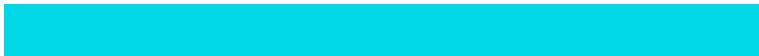
39.8861, 50.4999, 16.4629

Triad

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



50.0980, 50.4999, 14.3147



31.3459, 50.4999, 83.5442



67.0800, 50.4999, 97.8591

Complementary

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



50.0980, 50.4999, 14.3147



24.3528, 21.6356, 76.2910

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.



57.1427, 50.4999, 129.6572



50.0980, 50.4999, 14.3147



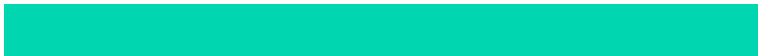
36.8011, 50.4999, 119.4382

Square

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



50.0980, 50.4999, 14.3147



30.0436, 50.4999, 49.2694



45.9588, 50.4999, 138.7652



71.9746, 50.4999, 61.1281

Rectangle

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



50.0980, 50.4999, 14.3147



34.8135, 50.4999, 22.2928



45.9588, 50.4999, 138.7652



64.1522, 50.4999, 109.9598

Sweetspot

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



50.0992, 50.5024, 14.3157



83.1116, 87.5647, 69.6480



38.4532, 23.4366, 22.0676



17.4723, 18.3962, 13.9148



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.



50.0992, 50.5024, 14.3157



61.0160, 59.7635, 11.7545



53.0717, 68.3850, 17.6107



15.2091, 16.0322, 15.1974



25.6535, 23.8811, 3.2574



1.9770, 1.9273, 0.2678

Inverse Universe

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



24.3528, 21.6356, 76.2910



25.7146, 20.3266, 97.1759



22.6130, 14.0844, 74.9251



13.9415, 14.6043, 18.2285



9.4398, 5.9416, 43.0325



0.7775, 0.5990, 3.2066

Previews

White Background



This preview shows how the XYZ color 50.0980, 50.4999, 14.3147 looks on a white background.

Color Contrast Check

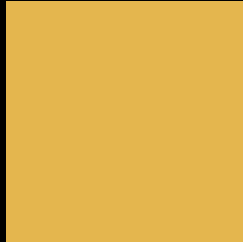
Large Text (above 18pt) WCAG AA × Fail

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 50.0980, 50.4999, 14.3147 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 50.0980, 50.4999, 14.3147

Background



This preview shows how black text looks on a background with the XYZ color 50.0980, 50.4999, 14.3147.



This preview shows how white text looks on a background with the XYZ color 50.0980, 50.4999,

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

50.0980, 50.4999, 14.3147

Protanopia

46.2239, 50.6760, 14.9346

Deuteranopia

51.4631, 50.2971, 14.3931



Tritanopia

57.8067, 50.4194, 52.0326

Trichromacy



Original Color

50.0980, 50.4999, 14.3147

Protanomaly

47.5855, 50.4340, 14.6239

Deuteranomaly

51.0113, 50.3628, 14.4296

Tritanomaly

54.0451, 50.0279, 33.5959

Monochromacy



Original Color

50.0980, 50.4999, 14.3147

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.8637, 48.1907, 33.6725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0980, 50.4999, 14.3147 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(228, 182, 78)` looks like.

```
.text, #text, p{  
    color:rgb(228, 182, 78)  
}
```

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(228, 182, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 182, 78) }
```

Border

The CSS property to change the border of an element to XYZ 50.0980, 50.4999, 14.3147 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(228, 182, 78) }
```


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

```
.border{ border-color:rgb(228, 182, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 182, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 182, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 182, 78);  
box-shadow:4px 4px 4px 4px rgb(228, 182,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0980, 50.4999, 14.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 182, 78) }
```

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

```
.background{ background-color: rgb(228,  
182, 78) }
```

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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