

Converting Colors

XYZ(48.6822, 51.0118, 14.1179)

Have a look what the booklet for
XYZ(48.6822, 51.0118, 14.1179)
contains.

XYZ(48.6822, 51.0118, 14.1179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.6822, 51.0118,
14.1179)**

Conversions

Conversions Part 1

Format	Color
Hex	DDBA4C
RGB	221, 186, 76
RGB Percent	87%, 73%, 30%
CMY	0.1333, 0.2706, 0.7019
CMYK	0.00, 0.16, 0.66, 0.13
HSL	46°, 68%, 58%
HSV	46°, 66%, 87%
XYZ	48.6822, 51.0118, 14.1179
YIQ	183.9250, 56.1700, -26.7900

Conversions

Conversions Part 2

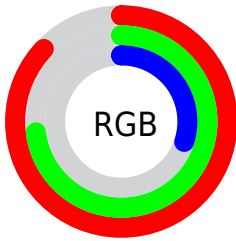
Format	Color
RYB	122, 221, 76
Decimal	14531148
CIELab	76.69, 0.54, 58.58
CIELCh	77, 58.578, 89.471
Yxy	51.0118, 0.4277, 0.4482
Android (android.graphics.Color)	4292721228 (0xFFDDBA4C)
YUV	183.9250, -53.2070, 32.5148
Hunter-Lab	71.4225, -3.3224, 38.2761

Details

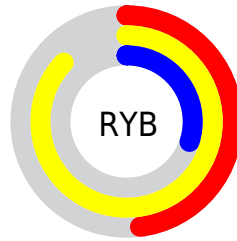
The XYZ color **48.6822, 51.0118, 14.1179** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **21.7159, 18.1252, 70.7601**, and the grayscale version is **45.7826, 48.1669, 52.4537**.

A 20% lighter version of the original color is **76.9546, 86.3492, 33.3800**, and **23.3890, 24.4969, 4.0260** is the 20% darker color. If you saturate the color by 10%, you get **46.9395, 48.5522, 10.3757**, and if you desaturate by 10%, it is **50.7330, 53.6658, 19.2654**.

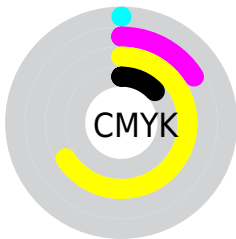
Distribution



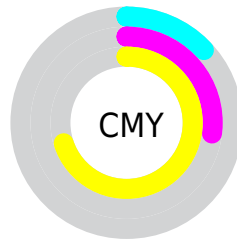
- Red (87%)
- Green (73%)
- Blue (30%)



- Red (48%)
- Yellow (87%)
- Blue (30%)



- Cyan (0%)
- Magenta (16%)
- Yellow (66%)
- Black (13%)



- Cyan (13%)
- Magenta (27%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6822, 51.0118, 14.1179 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 48.6822, 51.0118, 14.1179 by changing the saturation by 10% instead.

■ 48.6822, 51.0118,
14.1179

■ 48.6822, 51.0118,
14.1179

372.0276,
390.6096, 229.4169

■ 34.5809, 36.2180,
8.0630

■ 87.4228, 91.6722,
34.0182

■ 23.5052, 24.6026,
4.0470

■ 112.7929,
118.3076, 48.7007

■ 15.0898, 15.7812,
1.6511

■ 142.6500,
149.6590, 67.0962

■ 8.9691, 9.3695,
0.3269

■ 177.3594,
186.1108, 89.6232

■ 4.7780, 4.9830,
0.0000

■ 217.2865,
228.0473, 116.7002

■ 2.1510, 2.2373,
0.0000

262.7967,

■ 0.7167, 0.7402,

275.8531, 148.7458

0.0000

314.2553,
329.9124, 186.1785

■ 0.0000, 0.0000,
0.0000

■ 48.6822, 51.0118,
14.1179

■ 48.6822, 51.0118,
14.1179

■ 46.9395, 48.5522,
10.3757

■ 50.7330, 53.6658,
19.2654

■ 45.4726, 46.2673,
7.8863

■ 53.1132, 56.5173,
25.9436

■ 44.2475, 44.1447,
6.4673

■ 55.8460, 59.5784,
34.2670

■ 43.7592, 43.2532,
6.0423

■ 58.9513, 62.8577,
44.3388

■ 62.4474, 66.3633,
56.2532

■ 66.3515, 70.1026,
70.0982

■ 70.6794, 74.0826,
85.9556

■ 75.4462, 78.3101,
103.9027

■ 77.2938, 81.4424,
106.2539

Harmonies

Analogous

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



60.1458, 51.0118, 17.7941



48.6822, 51.0118, 14.1179



38.7310, 51.0118, 17.5316

Triad

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



48.6822, 51.0118, 14.1179



32.1868, 51.0118, 91.3395



69.2742, 51.0118, 92.7060

Complementary

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



48.6822, 51.0118, 14.1179



21.7159, 18.1252, 70.7601

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.



59.7533, 51.0118, 127.4955



48.6822, 51.0118, 14.1179



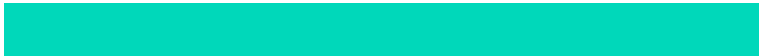
38.4384, 51.0118, 126.5175

Square

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



48.6822, 51.0118, 14.1179



30.1326, 51.0118, 54.9816



48.2887, 51.0118, 141.7445



73.0915, 51.0118, 56.1086

Rectangle

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



48.6822, 51.0118, 14.1179



34.0140, 51.0118, 24.5554



48.2887, 51.0118, 141.7445



66.5696, 51.0118, 105.4403

Sweetspot

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



48.6834, 51.0143, 14.1189



84.0975, 89.5364, 69.9766



35.3420, 21.7169, 17.7320



17.7104, 18.8723, 13.9941



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.



48.6834, 51.0143, 14.1189



64.0588, 65.8490, 12.7687



47.1083, 62.5177, 16.4223



13.8821, 14.7036, 13.8320



25.5128, 25.3111, 3.5409



1.7180, 1.7702, 0.2511

Inverse Universe

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



21.7159, 18.1252, 70.7601



24.3152, 17.5276, 96.7094



22.3500, 13.8511, 69.9017



12.5926, 13.1249, 16.5218



8.4042, 4.6778, 40.1984



0.6117, 0.4376, 2.6267

Previews

White Background



This preview shows how the XYZ color 48.6822, 51.0118, 14.1179 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 48.6822, 51.0118, 14.1179 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 48.6822, 51.0118, 14.1179

Background



This preview shows how black text looks on a background with the XYZ color 48.6822, 51.0118, 14.1179.

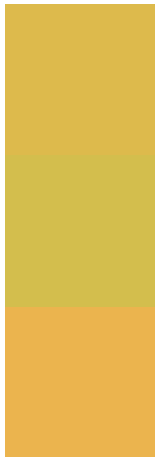


This preview shows how white text looks on a background with the XYZ color 48.6822, 51.0118,

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

48.6822, 51.0118, 14.1179

Protanopia

46.6170, 51.2116, 14.4490

Deuteranopia

51.9574, 50.8547, 14.2852



Tritanopia

56.8463, 50.7259, 54.3719

Trichromacy



Original Color

48.6822, 51.0118, 14.1179

Protanomaly

47.5615, 51.3781, 14.4314

Deuteranomaly

50.7006, 50.8147, 14.1572

Tritanomaly

52.8654, 50.2783, 34.5221

Monochromacy



Original Color

48.6822, 51.0118, 14.1179

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4858, 48.6126, 33.7739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6822, 51.0118, 14.1179 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(221, 186, 76)` looks like.

```
.text, #text, p{  
    color:rgb(221, 186, 76)  
}
```

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(221, 186, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 186, 76) }
```

Border

The CSS property to change the border of an element to XYZ 48.6822, 51.0118, 14.1179 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(221, 186, 76) }
```


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

```
.border{ border-color:rgb(221, 186, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 186, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 186, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 186, 76);  
box-shadow:4px 4px 4px 4px rgb(221, 186,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6822, 51.0118, 14.1179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 186, 76) }
```

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

```
.background{ background-color: rgb(221,  
186, 76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor