

Converting Colors

XYZ(47.4014, 49.8955, 11.5901)

Have a look what the booklet for
XYZ(47.4014, 49.8955, 11.5901)
contains.

XYZ(47.1962, 49.6780, 11.5162)	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(47.1962, 49.6780,
11.5162)**

Conversions

Conversions Part 1

Format	Color
Hex	DBB83D
RGB	219, 184, 61
RGB Percent	86%, 72%, 24%
CMY	0.1412, 0.2784, 0.7608
CMYK	0.00, 0.16, 0.72, 0.14
HSL	47°, 69%, 55%
HSV	47°, 72%, 86%
XYZ	47.1962, 49.6780, 11.5162
YIQ	180.4430, 60.3430, -30.8330

Conversions

Conversions Part 2

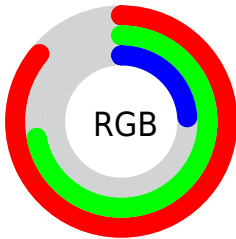
Format	Color
RYB	106, 219, 61
Decimal	14399549
CIELab	75.87, -0.06, 63.82
CIELCh	76, 63.816, 90.053
Yxy	49.6780, 0.4354, 0.4583
Android (android.graphics.Color)	4292589629 (0xFFDDBB83D)
YUV	180.4430, -58.8854, 33.8145
Hunter-Lab	70.4826, -3.8184, 39.6504

Details

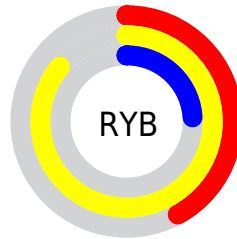
The XYZ color **47.1962, 49.6780, 11.5162** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **18.8934, 14.4719, 68.8149**, and the grayscale version is **43.9063, 46.1928, 50.3040**.

A 20% lighter version of the original color is **75.5525, 84.8411, 28.9169**, and **22.6135, 23.7062, 3.3839** is the 20% darker color. If you saturate the color by 10%, you get **45.7324, 47.5097, 8.6885**, and if you desaturate by 10%, it is **48.9376, 52.0165, 15.6251**.

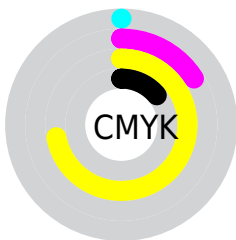
Distribution



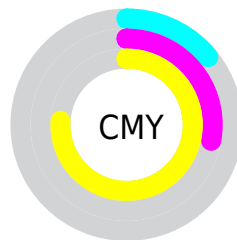
- Red (86%)
- Green (72%)
- Blue (24%)



- Red (42%)
- Yellow (86%)
- Blue (24%)



- Cyan (0%)
- Magenta (16%)
- Yellow (72%)
- Black (14%)





- Cyan (14%)
- Magenta (28%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1962, 49.6780, 11.5162 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 47.1962, 49.6780, 11.5162 by changing the saturation by 10% instead.


 47.1962, 49.6780,
11.5162


 47.1962, 49.6780,
11.5162


366.2330,
385.4054, 212.0385


 33.3994, 35.1576,
6.2967

 85.2234, 89.6976,
29.2619

 22.5933, 23.7843,
2.9546


 110.1844,
115.9656, 42.6252


 14.4125, 15.1737,
1.0715


 139.5976,
146.9183, 59.5401

 8.4917, 8.9414,
0.0000

 173.8283,
182.9400, 80.4253

 4.4656, 4.7030,
0.0000

 213.2418,
224.4152, 105.6991

 1.9688, 2.0741,
0.0000

258.2035,

 0.6163, 0.6500,

271.7282, 135.7803

0.0000

309.0788,
325.2635, 171.0872

■ 0.0000, 0.0000,
0.0000

■ 47.1962, 49.6780,
11.5162

■ 47.1962, 49.6780,
11.5162

■ 45.7324, 47.5097,
8.6885

■ 48.9376, 52.0165,
15.6251

■ 44.5110, 45.4912,
6.9734

■ 50.9795, 54.5291,
21.1501

■ 43.6808, 43.9952,
6.1897

■ 53.3464, 57.2280,
28.2121

■ 56.0588, 60.1220,
36.9183

■ 59.1356, 63.2192,
47.3663

■ 62.5940, 66.5269,
59.6460

■ 66.4504, 70.0522,
73.8410

■ 70.7200, 73.8016,
90.0299

■ 74.9132, 77.5799,
105.6338

Harmonies

Analogous

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



59.5541, 49.6780, 14.9171



47.1962, 49.6780, 11.5162



36.6831, 49.6780, 14.9429

Triad

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



47.1962, 49.6780, 11.5162



30.0868, 49.6780, 93.8821



69.8879, 49.6780, 93.7299

Complementary

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



47.1962, 49.6780, 11.5162



18.8934, 14.4719, 68.8149

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.



59.5971, 49.6780, 132.7047



47.1962, 49.6780, 11.5162



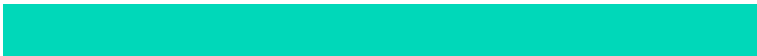
36.7142, 49.6780, 132.8155

Square

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



47.1962, 49.6780, 11.5162



27.8710, 49.6780, 54.1518



47.2387, 49.6780, 149.3433



73.9213, 49.6780, 54.0301

Rectangle

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



47.1962, 49.6780, 11.5162



31.7900, 49.6780, 22.0365



47.2387, 49.6780, 149.3433



66.9692, 49.6780, 107.8621

Sweetspot

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



47.1973, 49.6804, 11.5172



83.4607, 89.2259, 66.7954



33.0806, 19.2773, 13.5004



17.5987, 18.8359, 13.3804



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.



47.1973, 49.6804, 11.5172



63.5552, 65.4478, 10.7329



44.2750, 60.3311, 13.7270



13.9049, 14.7491, 13.8396



25.9854, 26.2564, 3.6984



1.7451, 1.8242, 0.2601

Inverse Universe

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



18.8934, 14.4719, 68.8149



21.7209, 13.6236, 96.0925



20.0642, 11.3440, 68.1494



12.5714, 13.0825, 16.5147



8.2877, 4.4449, 40.1595



0.6015, 0.4172, 2.6233

Previews

White Background



This preview shows how the XYZ color 47.1962, 49.6780, 11.5162 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 47.1962, 49.6780, 11.5162 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 47.1962, 49.6780, 11.5162

Background



This preview shows how black text looks on a background with the XYZ color 47.1962, 49.6780, 11.5162.



This preview shows how white text looks on a background with the XYZ color 47.1962, 49.6780,

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

47.1962, 49.6780, 11.5162

Protanopia

45.1472, 49.8695, 11.8037

Deuteranopia

50.7493, 49.6921, 11.6194



Tritanopia

55.5044, 49.5018, 52.5283

Trichromacy



Original Color

47.1962, 49.6780, 11.5162

Protanomaly

46.0804, 50.0346, 11.7864

Deuteranomaly

49.5039, 49.6483, 11.5314

Tritanomaly

51.3103, 48.9517, 31.5552

Monochromacy



Original Color

47.1962, 49.6780, 11.5162

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.2874, 46.3232, 30.3267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1962, 49.6780, 11.5162 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(219, 184, 61)` looks like.

```
.text, #text, p{  
    color:rgb(219, 184, 61)  
}
```

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(219, 184, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 184, 61) }
```

Border

The CSS property to change the border of an element to XYZ 47.1962, 49.6780, 11.5162 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(219, 184, 61) }
```


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

```
.border{ border-color:rgb(219, 184, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 184, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 184, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 184, 61);  
box-shadow:4px 4px 4px 4px rgb(219, 184,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1962, 49.6780, 11.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 184, 61) }
```

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

```
.background{ background-color: rgb(219,  
184, 61) }
```

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