

Converting Colors

$Yxy(46.6201, 0.4243, 0.4467)$

Have a look what the booklet for
Yxy(46.6201, 0.4243, 0.4467)
contains.

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Color

Yxy(46.6109, 0.4242, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	D3B34C
RGB	211, 179, 76
RGB Percent	83%, 70%, 30%
CMY	0.1726, 0.2980, 0.7020
CMYK	0.00, 0.15, 0.64, 0.17
HSL	46°, 61%, 56%
HSV	46°, 64%, 83%
XYZ	44.2830, 46.6109, 13.4978
YIQ	176.8260, 52.1350, -25.2490

Conversions

Conversions Part 2

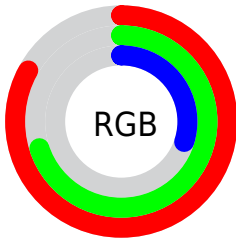
Format	Color
RYB	118, 211, 76
Decimal	13873996
CIELab	73.94, -0.06, 55.35
CIELCh	74, 55.346, 90.058
Yxy	46.6109, 0.4242, 0.4465
Android (android.graphics.Color)	4292064076 (0xFFD3B34C)
YUV	176.8260, -49.7072, 29.9706
Hunter-Lab	68.2722, -3.6969, 36.0685

Details

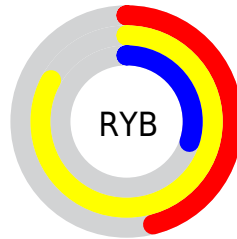
The Yxy color **46.6109, 0.4242, 0.4465** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **16.9523, 0.1992, 0.1681**, and the grayscale version is **44.1152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2616, 0.3945, 0.4332**, and **22.0016, 0.4469, 0.4715** is the 20% darker color. If you saturate the color by 10%, you get **44.3998, 0.4400, 0.4577**, and if you desaturate by 10%, it is **48.9951, 0.4067, 0.4316**.

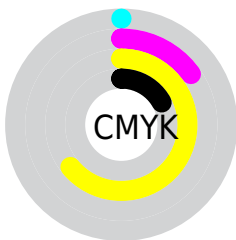
Distribution



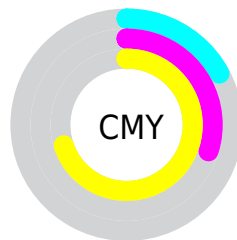
- Red (83%)
- Green (70%)
- Blue (30%)



- Red (46%)
- Yellow (83%)
- Blue (30%)



- Cyan (0%)
- Magenta (15%)
- Yellow (64%)
- Black (17%)





- Cyan (17%)
- Magenta (30%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6109, 0.4242, 0.4465 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 Yxy color 46.6109, 0.4242, 0.4465 by changing the saturation by 10% instead.


 46.6109, 0.4242,
0.4465


 46.6109, 0.4242,
0.4465


373.2593, 0.3720,
0.3915

 32.7282, 0.4351,
0.4580


 85.1325, 0.4066,
0.4280


 21.9183, 0.4476,
0.4712


 110.5402, 0.3996,
0.4205

 13.7969, 0.4613,
0.4857


 140.5583, 0.3935,
0.4141

 7.9795, 0.4803,
0.5057

 175.5713, 0.3881,
0.4084

 4.0818, 0.4871,
0.5129

 215.9634, 0.3833,
0.4034

 1.7195, 0.4870,
0.5130

262.1192, 0.3791,

 0.4362, 0.4865,

0.3990

0.5135

314.4230, 0.3754,
0.3951

0.0000, 0.0000,
0.0000

46.6109, 0.4242,
0.4465

46.6109, 0.4242,
0.4465

44.3998, 0.4400,
0.4577

48.9951, 0.4067,
0.4316

42.3447, 0.4534,
0.4644

51.5551, 0.3883,
0.4141

40.4351, 0.4638,
0.4664

54.3013, 0.3698,
0.3950

39.3432, 0.4690,
0.4658

57.2414, 0.3517,
0.3752

60.3823, 0.3346,
0.3555

■ 63.7307, 0.3187,
0.3364

■ 67.2927, 0.3041,
0.3182

■ 71.0742, 0.2908,
0.3012

■ 74.3610, 0.2850,
0.2961

Harmonies

Analogous

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



46.6109, 0.4623, 0.3957



46.6109, 0.4242, 0.4465



46.6109, 0.3588, 0.4717

Triad

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



46.6109, 0.4242, 0.4465



46.6109, 0.1869, 0.2921



46.6109, 0.3266, 0.2422

Complementary

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



46.6109, 0.4242, 0.4465



16.9523, 0.1992, 0.1681

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.



46.6109, 0.2536, 0.2169



46.6109, 0.4242, 0.4465



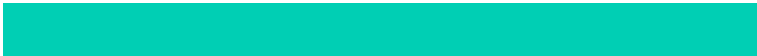
46.6109, 0.1811, 0.2378

Square

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



46.6109, 0.4242, 0.4465



46.6109, 0.2227, 0.3719



46.6109, 0.2036, 0.2141



46.6109, 0.4046, 0.2852

Rectangle

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



46.6109, 0.4242, 0.4465



46.6109, 0.3093, 0.4608



46.6109, 0.2036, 0.2141



46.6109, 0.3005, 0.2315

Sweetspot

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



46.6131, 0.4242, 0.4465



90.1612, 0.3434, 0.3658



20.1326, 0.4657, 0.2908



19.0030, 0.3484, 0.3715



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6131, 0.4242, 0.4465



66.9337, 0.4455, 0.4609



56.4716, 0.3728, 0.4922



13.3034, 0.3272, 0.3466



23.9145, 0.4681, 0.4666



1.4546, 0.4573, 0.4751

Inverse Universe

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



16.9523, 0.1992, 0.1681



18.2705, 0.1779, 0.1305



13.1674, 0.2139, 0.1358



11.8656, 0.2982, 0.3107



4.3457, 0.1576, 0.0872



0.3684, 0.1675, 0.1230

Previews

White Background



This preview shows how the Yxy color 46.6109, 0.4242, 0.4465 looks on a white background.

Color Contrast Check

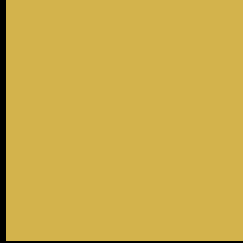
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.6109, 0.4242, 0.4465 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](#).

Yxy 46.6109, 0.4242, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 46.6109, 0.4242, 0.4465.



This preview shows how white text looks on a background with the Yxy color 46.6109, 0.4242, 0.4465.

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

46.6109, 0.4242, 0.4465

Protanopia

46.5483, 0.4129, 0.4531

Deuteranopia

46.6059, 0.4416, 0.4316



Tritanopia

46.5571, 0.3495, 0.3138

Trichromacy



Original Color

46.6109, 0.4242, 0.4465

Protanomaly

46.5627, 0.4165, 0.4506

Deuteranomaly

46.5679, 0.4360, 0.4368

Tritanomaly

46.2399, 0.3807, 0.3643

Monochromacy



Original Color

46.6109, 0.4242, 0.4465

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5531, 0.3547, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6109, 0.4242, 0.4465 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(211, 179, 76)` looks like.

```
.text, #text, p{  
    color:rgb(211, 179, 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(211, 179, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 179, 76) }
```

Border

The CSS property to change the border of an element to Yxy 46.6109, 0.4242, 0.4465 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(211, 179, 76) }
```

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

```
.border{ border-color:rgb(211, 179, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 179, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 179, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 179, 76);  
box-shadow:4px 4px 4px 4px rgb(211, 179,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6109, 0.4242, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 179, 76) }
```

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

```
.background{ background-color: rgb(211,  
179, 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](#).

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