

Converting Colors

$Y_{xy}(48.3299, 0.4276, 0.4340)$

Have a look what the booklet for
Yxy(48.3299, 0.4276, 0.4340)
contains.

Yxy(48.2682, 0.4277, 0.4339)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.2682, 0.4277, 0.4339)

Conversions

Conversions Part 1

Format	Color
Hex	DDB355
RGB	221, 179, 85
RGB Percent	87%, 70%, 33%
CMY	0.1333, 0.2980, 0.6668
CMYK	0.00, 0.19, 0.62, 0.13
HSL	41°, 67%, 60%
HSV	41°, 62%, 87%
XYZ	47.5785, 48.2682, 15.3960
YIQ	180.8420, 55.2060, -20.3300

Conversions

Conversions Part 2

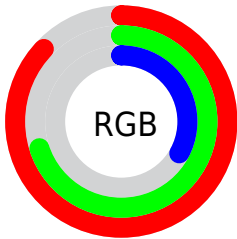
Format	Color
RYB	146, 221, 85
Decimal	14529365
CIELab	74.99, 4.79, 52.69
CIELCh	75, 52.908, 84.807
Yxy	48.2682, 0.4277, 0.4339
Android (android.graphics.Color)	4292719445 (0xFFDDB355)
YUV	180.8420, -47.2501, 35.2186
Hunter-Lab	69.4753, 0.6596, 35.4938

Details

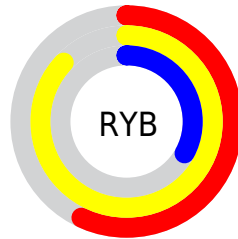
The Yxy color **48.2682, 0.4277, 0.4339** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **22.3204, 0.2064, 0.1889**, and the grayscale version is **46.3562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5116, 0.3893, 0.4252**, and **23.0696, 0.4533, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **45.3047, 0.4468, 0.4449**, and if you desaturate by 10%, it is **51.4813, 0.4075, 0.4195**.

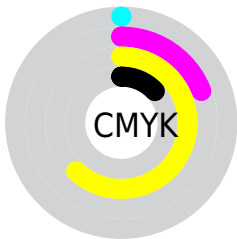
Distribution



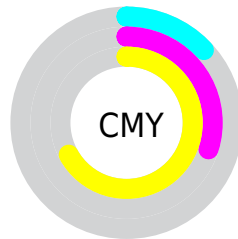
- Red (87%)
- Green (70%)
- Blue (33%)



- Red (57%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (19%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (30%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2682, 0.4277, 0.4339 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 48.2682, 0.4277, 0.4339 by changing the saturation by 10% instead.

 48.2682, 0.4277,
0.4339


 48.2682, 0.4277,
0.4339


379.8542, 0.3733,
0.3856


 34.0393, 0.4395,
0.4439


 87.6036, 0.4091,
0.4178

 22.9238, 0.4533,
0.4552

 113.4789, 0.4018,
0.4113

 14.5373, 0.4692,
0.4676


 144.0051, 0.3954,
0.4056

 8.4953, 0.4882,
0.4815

 179.5667, 0.3898,
0.4006

 4.4135, 0.5074,
0.4926

 220.5480, 0.3849,
0.3962

 1.9074, 0.5137,
0.4863

267.3334, 0.3806,

 0.5528, 0.5374,

0.3923

0.4626

320.3074, 0.3768,
0.3888

0.0000, 0.0000,
0.0000

48.2682, 0.4277,
0.4339

48.2682, 0.4277,
0.4339

45.3047, 0.4468,
0.4449

51.4813, 0.4075,
0.4195

42.5713, 0.4638,
0.4515

54.9483, 0.3870,
0.4029

40.0557, 0.4779,
0.4530

58.6815, 0.3672,
0.3850

38.0812, 0.4876,
0.4510

62.6903, 0.3484,
0.3668

66.9835, 0.3309,
0.3488

■ 71.5692, 0.3150,
0.3316

■ 76.4552, 0.3007,
0.3153

■ 81.2052, 0.2917,
0.3069

■ 85.1564, 0.2919,
0.3140

Harmonies

Analogous

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



48.2682, 0.4570, 0.3841



48.2682, 0.4277, 0.4339



48.2682, 0.3692, 0.4626

Triad

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



48.2682, 0.4277, 0.4339



48.2682, 0.1969, 0.3066



48.2682, 0.3130, 0.2406

Complementary

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



48.2682, 0.4277, 0.4339



22.3204, 0.2064, 0.1889

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.



48.2682, 0.2466, 0.2199



48.2682, 0.4277, 0.4339



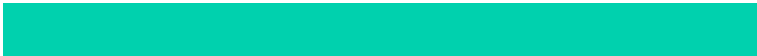
48.2682, 0.1861, 0.2497

Square

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



48.2682, 0.4277, 0.4339



48.2682, 0.2363, 0.3833



48.2682, 0.2030, 0.2216



48.2682, 0.3876, 0.2794

Rectangle

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



48.2682, 0.4277, 0.4339



48.2682, 0.3225, 0.4579



48.2682, 0.2030, 0.2216



48.2682, 0.2889, 0.2315

Sweetspot

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



48.2705, 0.4277, 0.4339



88.6780, 0.3423, 0.3606



23.4244, 0.4432, 0.2809



18.6156, 0.3475, 0.3659



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.



48.2705, 0.4277, 0.4339



61.4726, 0.4522, 0.4474



64.1148, 0.3789, 0.4831



14.5502, 0.3274, 0.3451



22.3307, 0.4863, 0.4521



1.5970, 0.4728, 0.4628

Inverse Universe

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



22.3204, 0.2064, 0.1889



22.9441, 0.1863, 0.1549



15.0216, 0.2106, 0.1393



13.2697, 0.2981, 0.3124



5.6278, 0.1618, 0.1026



0.5152, 0.1710, 0.1354

Previews

White Background



This preview shows how the Yxy color 48.2682, 0.4277, 0.4339 looks on a white background.

Color Contrast Check

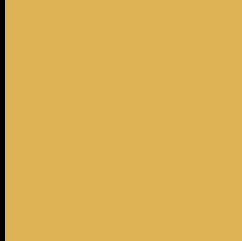
Large Text (above 18pt) WCAG AA × Fail

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 48.2682, 0.4277, 0.4339 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 48.2682, 0.4277, 0.4339

Background



This preview shows how black text looks on a background with the Yxy color 48.2682, 0.4277, 0.4339.



This preview shows how white text looks on a background with the Yxy color 48.2682, 0.4277, 0.4339.

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

48.2682, 0.4277, 0.4339

Protanopia

48.3652, 0.4073, 0.4452

Deuteranopia

48.2165, 0.4357, 0.4269



Tritanopia

48.3701, 0.3576, 0.3154

Trichromacy



Original Color

48.2682, 0.4277, 0.4339

Protanomaly

48.3877, 0.4149, 0.4414

Deuteranomaly

48.1237, 0.4322, 0.4292

Tritanomaly

48.1312, 0.3860, 0.3608

Monochromacy



Original Color

48.2682, 0.4277, 0.4339

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.4536, 0.3555, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2682, 0.4277, 0.4339 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, 179, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 179, 85)  
}
```

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, 179, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 179, 85) }
```

Border

The CSS property to change the border of an element to Yxy 48.2682, 0.4277, 0.4339 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, 179, 85) }
```

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

```
.border{ border-color:rgb(221, 179, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 179, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 179, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 179, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 179,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2682, 0.4277, 0.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 179, 85) }
```

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

```
.background{ background-color: rgb(221,  
179, 85) }
```

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