

Converting Colors

$Yxy(46.2006, 0.3580, 0.3581)$

Have a look what the booklet for
Yxy(46.2006, 0.3580, 0.3581)
contains.

Yxy(46.1879, 0.3580, 0.3581)	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(46.1879, 0.3580, 0.3581)

Conversions

Conversions Part 1

Format	Color
Hex	CCB099
RGB	204, 176, 153
RGB Percent	80%, 69%, 60%
CMY	0.2000, 0.3098, 0.4000
CMYK	0.00, 0.14, 0.25, 0.20
HSL	27°, 33%, 70%
HSV	27°, 25%, 80%
XYZ	46.1750, 46.1879, 36.6176
YIQ	181.7500, 24.0710, -1.2170

Conversions

Conversions Part 2

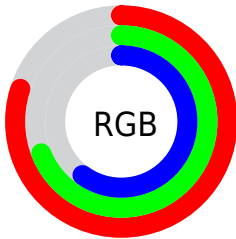
Format	Color
R _Y B	204, 195, 153
Decimal	13414553
CIE Lab	73.67, 6.56, 15.52
CIE LCh	74, 16.847, 67.071
Yxy	46.1879, 0.3580, 0.3581
Android (android.graphics.Color)	4291604633 (0xFFCCB099)
YUV	181.7500, -14.1738, 19.5132
Hunter-Lab	67.9617, 2.3448, 15.6279

Details

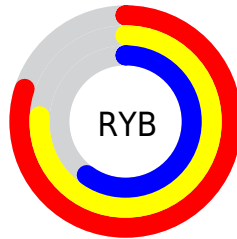
The Yxy color **46.1879, 0.3580, 0.3581** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.1721, 0.2736, 0.2980**, and the grayscale version is **46.7053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4782, 0.3452, 0.3542**, and **21.7642, 0.3705, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **41.3617, 0.3808, 0.3704**, and if you desaturate by 10%, it is **51.4956, 0.3380, 0.3460**.

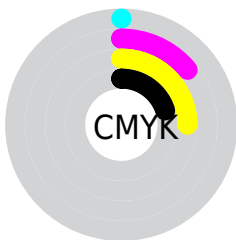
Distribution



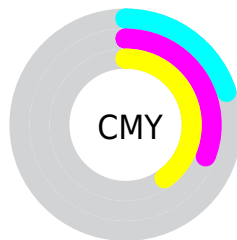
- Red (80%)
- Green (69%)
- Blue (60%)



- Red (80%)
- Yellow (76%)
- Blue (60%)



- Cyan (0%)
- Magenta (14%)
- Yellow (25%)
- Black (20%)





- Cyan (20%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1879, 0.3580, 0.3581 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 46.1879, 0.3580, 0.3581 by changing the saturation by 10% instead.

 46.1879, 0.3580,
0.3581

 46.1879, 0.3580,
0.3581


371.5636, 0.3352,
0.3439

 32.3941, 0.3637,
0.3615


 84.5001, 0.3497,
0.3530

 21.6627, 0.3711,
0.3659


 109.7874, 0.3466,
0.3511

 13.6093, 0.3808,
0.3715


139.6746, 0.3440,
0.3494

 7.8494, 0.3944,
0.3790

174.5461, 0.3417,
0.3480

 3.9987, 0.4145,
0.3895

214.7864, 0.3398,
0.3468

 1.6729, 0.4525,
0.4097

260.7798, 0.3381,

 0.4060, 0.5736,

0.3457

0.4264

312.9107, 0.3365,
0.3447

0.0000, 0.0000,
0.0000

46.1879, 0.3580,
0.3581

46.1879, 0.3580,
0.3581

41.3617, 0.3808,
0.3704

51.4956, 0.3380,
0.3460

36.9962, 0.4064,
0.3823

57.2922, 0.3205,
0.3345

33.0781, 0.4343,
0.3930

63.5932, 0.3054,
0.3237

29.5908, 0.4638,
0.4014

70.4112, 0.2924,
0.3137

26.5167, 0.4935,
0.4062

77.7584, 0.2811,
0.3045

■ 23.8364, 0.5213,
0.4062

■ 84.2625, 0.2819,
0.3165

■ 21.5279, 0.5452,
0.4007

■ 91.1750, 0.2827,
0.3283

■ 20.4985, 0.5560,
0.3967

■ 91.5762, 0.2827,
0.3289

Harmonies

Analogous

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



46.1879, 0.3581, 0.3400



46.1879, 0.3580, 0.3581



46.1879, 0.3454, 0.3693

Triad

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



46.1879, 0.3580, 0.3581



46.1879, 0.2807, 0.3372



46.1879, 0.2999, 0.2919

Complementary

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



46.1879, 0.3580, 0.3581



44.1721, 0.2736, 0.2980

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.



46.1879, 0.2802, 0.2901



46.1879, 0.3580, 0.3581



46.1879, 0.2694, 0.3152

Square

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



46.1879, 0.3580, 0.3581



46.1879, 0.3006, 0.3576



46.1879, 0.2692, 0.2982



46.1879, 0.3238, 0.3027

Rectangle

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



46.1879, 0.3580, 0.3581



46.1879, 0.3319, 0.3708



46.1879, 0.2692, 0.2982



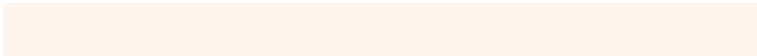
46.1879, 0.2926, 0.2902

Sweetspot

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



46.1900, 0.3580, 0.3581



92.8117, 0.3240, 0.3369



38.9565, 0.3369, 0.2940



19.7371, 0.3250, 0.3376



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.



46.1900, 0.3580, 0.3581



72.0924, 0.3700, 0.3647



57.1157, 0.3508, 0.3880



12.0334, 0.3279, 0.3395



13.0838, 0.5537, 0.3986



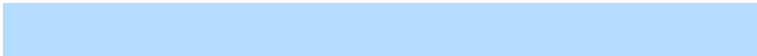
0.8258, 0.5209, 0.4246

Inverse Universe

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



44.1721, 0.2736, 0.2980



68.1836, 0.2650, 0.2902



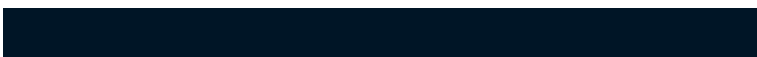
34.7573, 0.2705, 0.2622



11.8474, 0.2983, 0.3183



10.2192, 0.1821, 0.1756



0.6775, 0.1912, 0.2083

Previews

White Background



This preview shows how the Yxy color 46.1879, 0.3580, 0.3581 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 46.1879, 0.3580, 0.3581 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 46.1879, 0.3580, 0.3581

Background



This preview shows how black text looks on a background with the Yxy color 46.1879, 0.3580, 0.3581.



This preview shows how white text looks on a background with the Yxy color 46.1879, 0.3580, 0.3581.

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

46.1879, 0.3580, 0.3581

Protanopia

46.3615, 0.3420, 0.3631

Deuteranopia

45.9819, 0.3624, 0.3553



Tritanopia

46.0385, 0.3343, 0.3120

Trichromacy



Original Color

46.1879, 0.3580, 0.3581

Protanomaly

46.1754, 0.3479, 0.3614

Deuteranomaly

46.2252, 0.3611, 0.3566

Tritanomaly

46.1697, 0.3437, 0.3291

Monochromacy



Original Color

46.1879, 0.3580, 0.3581

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5299, 0.3288, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1879, 0.3580, 0.3581 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(204, 176, 153)` looks like.

```
.text, #text, p{  
    color:rgb(204, 176, 153)  
}
```

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(204, 176, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 176, 153) }
```

Border

The CSS property to change the border of an element to Yxy 46.1879, 0.3580, 0.3581 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(204, 176, 153) }
```

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

```
.border{ border-color:rgb(204, 176, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 176, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 176, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 176, 153);  
box-shadow:4px 4px 4px 4px rgb(204, 176,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1879, 0.3580, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 176, 153) }
```

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

```
.background{ background-color: rgb(204,  
176, 153) }
```

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