

Converting Colors

$Y_{xy}(43.4850, 0.3079, 0.2706)$

Have a look what the booklet for
Yxy(43.4850, 0.3079, 0.2706)
contains.

Yxy(43.5940, 0.3083, 0.2716)	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(43.5940, 0.3083, 0.2716)

Conversions

Conversions Part 1

Format	Color
Hex	CBA3D3
RGB	203, 163, 211
RGB Percent	80%, 64%, 83%
CMY	0.2039, 0.3608, 0.1726
CMYK	0.04, 0.23, 0.00, 0.17
HSL	290°, 35%, 73%
HSV	290°, 23%, 83%
XYZ	49.4846, 43.5940, 67.4295
YIQ	180.4320, 8.4320, 23.4080

Conversions

Conversions Part 2

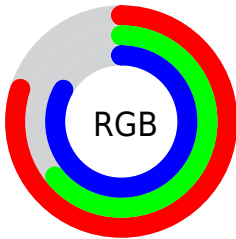
Format	Color
R _Y B	203, 163, 211
Decimal	13345747
CIE Lab	71.96, 23.11, -18.83
CIE LCh	72, 29.810, 320.838
Yxy	43.5940, 0.3083, 0.2716
Android (android.graphics.Color)	4291535827 (0xFFCBA3D3)
YUV	180.4320, 15.0700, 19.7921
Hunter-Lab	66.0258, 18.2362, -14.3325

Details

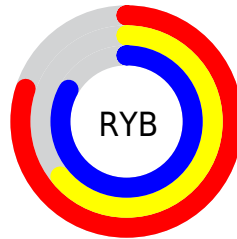
The Yxy color $43.5940, 0.3083, 0.2716$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $57.8860, 0.3156, 0.3913$, and the grayscale version is $45.8013, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $20.0651, 0.3063, 0.2571$ is the 20% darker color. If you saturate the color by 10%, you get $36.2306, 0.3056, 0.2455$, and if you desaturate by 10%, it is $52.2223, 0.3105, 0.2974$.

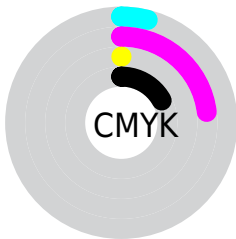
Distribution



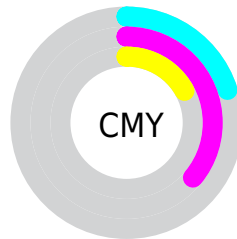
- Red (80%)
- Green (64%)
- Blue (83%)



- Red (80%)
- Yellow (64%)
- Blue (83%)



- Cyan (4%)
- Magenta (23%)
- Yellow (0%)
- Black (17%)





- Cyan (20%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5940, 0.3083, 0.2716 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 43.5940, 0.3083, 0.2716 by changing the saturation by 10% instead.


 43.5940, 0.3083,
0.2716

 43.5940, 0.3083,
0.2716


361.0489, 0.3110,
0.2993

 30.3515, 0.3075,
0.2650


 80.6065, 0.3094,
0.2815

 20.1055, 0.3064,
0.2567


 105.1452, 0.3098,
0.2852

 12.4718, 0.3048,
0.2459


134.2181, 0.3101,
0.2884

 7.0658, 0.3023,
0.2314

168.2095, 0.3103,
0.2912

 3.5033, 0.2982,
0.2111

207.5039, 0.3105,
0.2936

 1.3998, 0.2906,
0.1806

252.4857, 0.3107,

 0.2166, 0.2888,

0.2958

0.0812

303.5392, 0.3109,
0.2976

0.0000, 0.0000,
0.0000

43.5940, 0.3083,
0.2716

43.5940, 0.3083,
0.2716

36.2306, 0.3056,
0.2455

52.2223, 0.3105,
0.2974

30.0643, 0.3025,
0.2200

62.1676, 0.3123,
0.3224

25.0298, 0.2989,
0.1961

73.4859, 0.3137,
0.3460

21.0530, 0.2949,
0.1749

86.2282, 0.3147,
0.3679

18.0510, 0.2907,
0.1573

91.5259, 0.3165,
0.3752

■ 15.9284, 0.2863,
0.1440

■ 92.0812, 0.3187,
0.3749

■ 14.5705, 0.2820,
0.1352

■ 92.6480, 0.3209,
0.3746

■ 13.9207, 0.2788,
0.1309

■ 93.2265, 0.3232,
0.3742

■ 93.8168, 0.3254,
0.3739

Harmonies

Analogous

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



43.5940, 0.2690, 0.2605



43.5940, 0.3083, 0.2716



43.5940, 0.3515, 0.2955

Triad

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



43.5940, 0.3083, 0.2716



43.5940, 0.3859, 0.3911



43.5940, 0.2447, 0.3237

Complementary

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



43.5940, 0.3083, 0.2716



57.8860, 0.3156, 0.3913

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.



43.5940, 0.2726, 0.3655



43.5940, 0.3083, 0.2716



43.5940, 0.3541, 0.4057

Square

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



43.5940, 0.3083, 0.2716



43.5940, 0.3979, 0.3620



43.5940, 0.3125, 0.3970



43.5940, 0.2343, 0.2872

Rectangle

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



43.5940, 0.3083, 0.2716



43.5940, 0.3759, 0.3164



43.5940, 0.3125, 0.3970



43.5940, 0.2522, 0.3377

Sweetspot

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



43.5959, 0.3083, 0.2716



88.5764, 0.3116, 0.3117



41.6156, 0.2752, 0.2765



18.7587, 0.3115, 0.3102



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.



43.5959, 0.3083, 0.2716



61.5532, 0.3071, 0.2597



43.9830, 0.3292, 0.2907



11.9054, 0.3112, 0.3059



8.4402, 0.2794, 0.1313



0.4990, 0.2875, 0.1357

Inverse Universe

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



42.9827, 0.3514, 0.3193



60.5000, 0.3617, 0.3172



57.6267, 0.2993, 0.3706



11.8399, 0.3265, 0.3252



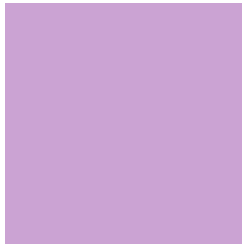
8.4416, 0.6145, 0.3159



0.4822, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 43.5940, 0.3083, 0.2716 looks on a white background.

Color Contrast Check

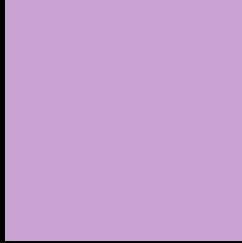
Large Text (above 18pt) WCAG AA × Fail

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 43.5940, 0.3083, 0.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

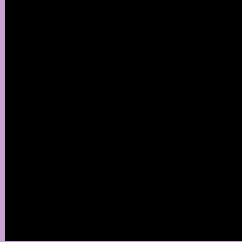
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.5940, 0.3083, 0.2716

Background



This preview shows how black text looks on a background with the Yxy color 43.5940, 0.3083, 0.2716.



This preview shows how white text looks on a background with the Yxy color 43.5940, 0.3083, 0.2716.

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

43.5940, 0.3083, 0.2716

Protanopia

43.8814, 0.2725, 0.2727

Deuteranopia

43.5735, 0.2887, 0.2819



Tritanopia

43.4836, 0.3300, 0.3127

Trichromacy



Original Color

43.5940, 0.3083, 0.2716

Protanomaly

43.6674, 0.2843, 0.2726

Deuteranomaly

43.5939, 0.2953, 0.2779

Tritanomaly

43.3576, 0.3215, 0.2968

Monochromacy



Original Color

43.5940, 0.3083, 0.2716

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

44.7251, 0.3111, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5940, 0.3083, 0.2716 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(203, 163, 211)` looks like.

```
.text, #text, p{  
    color:rgb(203, 163, 211)  
}
```

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(203, 163, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 163, 211) }
```

Border

The CSS property to change the border of an element to Yxy 43.5940, 0.3083, 0.2716 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(203, 163, 211) }
```

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

```
.border{ border-color:rgb(203, 163, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 163, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 163, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 163, 211);  
box-shadow:4px 4px 4px 4px rgb(203, 163,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5940, 0.3083, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 163, 211) }
```

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

```
.background{ background-color: rgb(203,  
163, 211) }
```

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