

Converting Colors

Yxy(66.5334, 0.2846, 0.2892)

Have a look what the booklet for
Yxy(66.5334, 0.2846, 0.2892)
contains.

Yxy(66.3450, 0.2845, 0.2886)	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(66.3450, 0.2845, 0.2886)

Conversions

Conversions Part 1

Format	Color
Hex	CDD3F8
RGB	205, 211, 248
RGB Percent	80%, 83%, 97%
CMY	0.1962, 0.1725, 0.0276
CMYK	0.17, 0.15, 0.00, 0.03
HSL	232°, 75%, 89%
HSV	232°, 17%, 97%
XYZ	65.4025, 66.3450, 98.1382
YIQ	213.4240, -15.4530, 10.2350

Conversions

Conversions Part 2

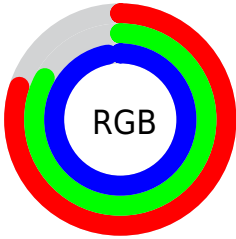
Format	Color
R _Y B	205, 210, 248
Decimal	13489144
CIE Lab	85.17, 5.34, -18.76
CIE LCh	85, 19.502, 285.882
Yxy	66.3450, 0.2845, 0.2886
Android (android.graphics.Color)	4291679224 (0xFFCDD3F8)
YUV	213.4240, 17.0460, -7.3878
Hunter-Lab	81.4524, 0.7853, -14.4190

Details

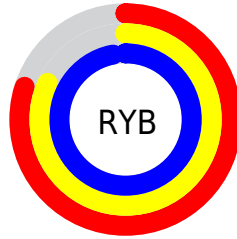
The Yxy color **66.3450, 0.2845, 0.2886** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.8088, 0.3398, 0.3664**, and the grayscale version is **66.7270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.4037, 0.2770, 0.2791** is the 20% darker color. If you saturate the color by 10%, you get **53.2021, 0.2660, 0.2614**, and if you desaturate by 10%, it is **81.4552, 0.3014, 0.3130**.

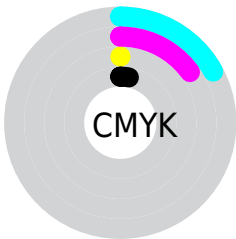
Distribution



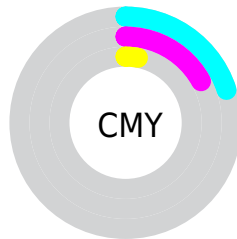
- Red (80%)
- Green (83%)
- Blue (97%)



- Red (80%)
- Yellow (82%)
- Blue (97%)



- Cyan (17%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (20%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3450, 0.2845, 0.2886 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 66.3450, 0.2845, 0.2886 by changing the saturation by 10% instead.

■ 66.3450, 0.2845,
0.2886

■ 66.3450, 0.2845,
0.2886

447.6097, 0.2978,
0.3073

■ 48.5525, 0.2814,
0.2844

113.9814, 0.2891,
0.2951

■ 34.2646, 0.2776,
0.2791

144.5940, 0.2909,
0.2976

■ 23.0970, 0.2728,
0.2725

180.2489, 0.2925,
0.2997

■ 14.6651, 0.2664,
0.2640

221.3303, 0.2938,
0.3016

■ 8.5847, 0.2577,
0.2524

268.2227, 0.2950,
0.3033

■ 4.4713, 0.2451,
0.2359

321.3105, 0.2960,

■ 1.9405, 0.2253,

0.3048

0.2109

380.9780, 0.2969,
0.3061

0.5726, 0.1903,
0.1616

0.0000, 0.0000,
0.0000

66.3450, 0.2845,
0.2886

66.3450, 0.2845,
0.2886

53.2021, 0.2660,
0.2614

81.4552, 0.3014,
0.3130

41.9372, 0.2463,
0.2316

98.6008, 0.3166,
0.3344

32.4664, 0.2261,
0.2001

99.5553, 0.3168,
0.3357

24.6961, 0.2061,
0.1681

■ 18.5240, 0.1878,
0.1373

■ 13.8367, 0.1723,
0.1100

■ 10.5051, 0.1609,
0.0879

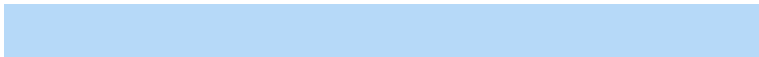
■ 8.3746, 0.1539,
0.0724

■ 7.9723, 0.1526,
0.0694

Harmonies

Analogous

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



66.3450, 0.2703, 0.2939



66.3450, 0.2845, 0.2886



66.3450, 0.3066, 0.2934

Triad

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



66.3450, 0.2845, 0.2886



66.3450, 0.3607, 0.3461



66.3450, 0.2936, 0.3528

Complementary

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



66.3450, 0.2845, 0.2886



87.8088, 0.3398, 0.3664

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.



66.3450, 0.3174, 0.3682



66.3450, 0.2845, 0.2886



66.3450, 0.3566, 0.3632

Square

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



66.3450, 0.2845, 0.2886



66.3450, 0.3512, 0.3257



66.3450, 0.3405, 0.3717



66.3450, 0.2754, 0.3306

Rectangle

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



66.3450, 0.2845, 0.2886



66.3450, 0.3231, 0.3015



66.3450, 0.3405, 0.3717



66.3450, 0.3012, 0.3591

Sweetspot

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



66.3477, 0.2845, 0.2886



90.8701, 0.3051, 0.3182



86.4707, 0.2900, 0.3358



19.1848, 0.3040, 0.3167



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.



66.3477, 0.2845, 0.2886



65.2960, 0.2779, 0.2789



65.6392, 0.2946, 0.2832



17.0371, 0.2979, 0.3080



4.4254, 0.1531, 0.0710



0.5261, 0.1579, 0.0882

Inverse Universe

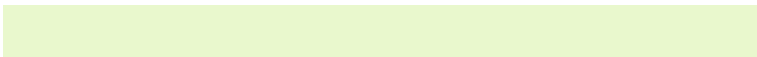
The Inverse Universe completely reimagines the original color for something new.



68.3004, 0.3416, 0.3228



67.8464, 0.3493, 0.3214



88.8305, 0.3287, 0.3736



17.2650, 0.3272, 0.3257



10.8576, 0.6215, 0.3197



1.0173, 0.5939, 0.3045

Previews

White Background



This preview shows how the Yxy color 66.3450, 0.2845, 0.2886 looks on a white background.

Color Contrast Check

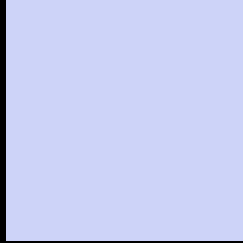
Large Text (above 18pt) WCAG AA × Fail

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 66.3450, 0.2845, 0.2886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

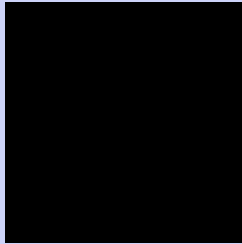
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3450, 0.2845, 0.2886

Background



This preview shows how black text looks on a background with the Yxy color 66.3450, 0.2845, 0.2886.

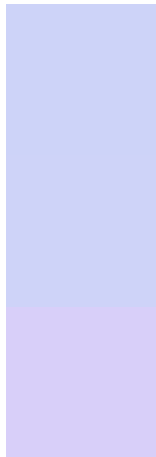


This preview shows how white text looks on a background with the Yxy color 66.3450, 0.2845, 0.2886.

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

66.3450, 0.2845, 0.2886

Protanopia

66.4877, 0.2852, 0.2886

Deuteranopia

66.0641, 0.2912, 0.2840



Tritanopia

66.4192, 0.2931, 0.3099

Trichromacy



Original Color

66.3450, 0.2845, 0.2886

Protanomaly

66.4877, 0.2852, 0.2886

Deuteranomaly

65.9484, 0.2885, 0.2848

Tritanomaly

66.3994, 0.2900, 0.3022

Monochromacy



Original Color

66.3450, 0.2845, 0.2886

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.2796, 0.3019, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3450, 0.2845, 0.2886 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(205, 211, 248)` looks like.

```
.text, #text, p{  
    color:rgb(205, 211, 248)  
}
```

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(205, 211, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 211, 248) }
```

Border

The CSS property to change the border of an element to Yxy 66.3450, 0.2845, 0.2886 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(205, 211, 248) }
```

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

```
.border{ border-color:rgb(205, 211, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 211, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 211, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 211, 248);  
box-shadow:4px 4px 4px 4px rgb(205, 211,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3450, 0.2845, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 211, 248) }
```

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

```
.background{ background-color: rgb(205,  
211, 248) }
```

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