

Converting Colors

$Yxy(68.6368, 0.2887, 0.2894)$

Have a look what the booklet for
Yxy(68.6368, 0.2887, 0.2894)
contains.

Yxy(68.6368, 0.2887, 0.2894)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.6368, 0.2887, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	D5D5FA
RGB	213, 213, 250
RGB Percent	84%, 84%, 98%
CMY	0.1650, 0.1646, 0.0197
CMYK	0.15, 0.15, 0.00, 0.02
HSL	240°, 79%, 91%
HSV	240°, 15%, 98%
XYZ	68.4708, 68.6368, 100.0617
YIQ	217.2180, -11.8770, 11.5070

Conversions

Conversions Part 2

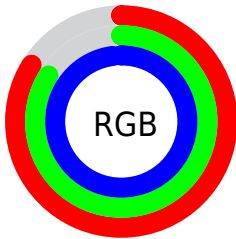
Format	Color
R _{YB}	213, 213, 250
Decimal	14013946
CIE Lab	86.32, 7.17, -18.03
CIE LCh	86, 19.399, 291.691
Yxy	68.6368, 0.2887, 0.2894
Android (android.graphics.Color)	4292204026 (0xFFD5D5FA)
YUV	217.2180, 16.1615, -3.6992
Hunter-Lab	82.8473, 2.5420, -13.6164

Details

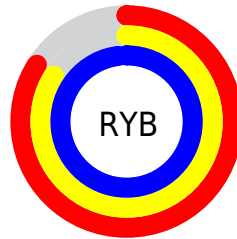
The Yxy color **68.6368, 0.2887, 0.2894** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.4124, 0.3350, 0.3658**, and the grayscale version is **69.4329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5731, 0.2832, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **53.5934, 0.2699, 0.2584**, and if you desaturate by 10%, it is **86.1894, 0.3054, 0.3170**.

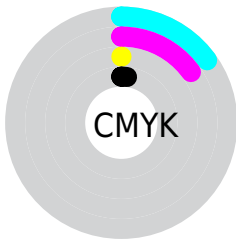
Distribution



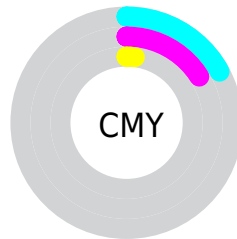
- Red (84%)
- Green (84%)
- Blue (98%)



- Red (84%)
- Yellow (84%)
- Blue (98%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (17%)
- Magenta (16%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6368, 0.2887, 0.2894 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 68.6368, 0.2887, 0.2894 by changing the saturation by 10% instead.

68.6368, 0.2887,
0.2894

68.6368, 0.2887,
0.2894

455.7489, 0.3000,
0.3075

50.4160, 0.2861,
0.2853

117.2627, 0.2926,
0.2957

35.7440, 0.2829,
0.2803

148.4365, 0.2942,
0.2981

24.2366, 0.2788,
0.2740

184.6968, 0.2955,
0.3002

15.5092, 0.2734,
0.2658

226.4279, 0.2966,
0.3020

9.1775, 0.2660,
0.2548

274.0143, 0.2976,
0.3037

4.8572, 0.2554,
0.2393

327.8404, 0.2985,

2.1637, 0.2387,

0.3051

0.2160

388.2904, 0.2993,
0.3064

0.7001, 0.2103,
0.1751

0.0000, 0.0000,
0.0000

68.6368, 0.2887,
0.2894

68.6368, 0.2887,
0.2894

53.5934, 0.2699,
0.2584

86.1894, 0.3054,
0.3170

40.9366, 0.2494,
0.2245

99.6807, 0.3156,
0.3338

30.5463, 0.2278,
0.1888

22.2889, 0.2062,
0.1533

■ 16.0164, 0.1864,
0.1204

■ 11.5622, 0.1699,
0.0931

■ 8.7325, 0.1582,
0.0736

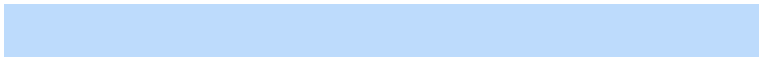
■ 7.2895, 0.1518,
0.0630

■ 6.9159, 0.1500,
0.0601

Harmonies

Analogous

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



68.6368, 0.2729, 0.2927



68.6368, 0.2887, 0.2894



68.6368, 0.3114, 0.2959

Triad

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



68.6368, 0.2887, 0.2894



68.6368, 0.3601, 0.3495



68.6368, 0.2898, 0.3485

Complementary

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



68.6368, 0.2887, 0.2894



93.4124, 0.3350, 0.3658

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.



68.6368, 0.3126, 0.3654



68.6368, 0.2887, 0.2894



68.6368, 0.3536, 0.3650

Square

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



68.6368, 0.2887, 0.2894



68.6368, 0.3534, 0.3297



68.6368, 0.3360, 0.3713



68.6368, 0.2736, 0.3262

Rectangle

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



68.6368, 0.2887, 0.2894



68.6368, 0.3276, 0.3049



68.6368, 0.3360, 0.3713



68.6368, 0.2970, 0.3551

Sweetspot

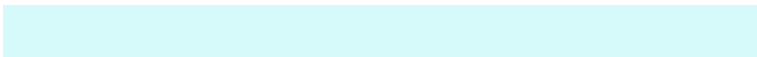
The Sweet Spot groups the original color and five complimentary colors.



68.6396, 0.2887, 0.2894



91.7977, 0.3067, 0.3191



89.3540, 0.2905, 0.3296



19.3289, 0.3055, 0.3171



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.



68.6396, 0.2887, 0.2894



66.5031, 0.2829, 0.2799



71.4136, 0.3009, 0.2907



16.6508, 0.2979, 0.3045



3.6726, 0.1501, 0.0602



0.3428, 0.1502, 0.0606

Inverse Universe

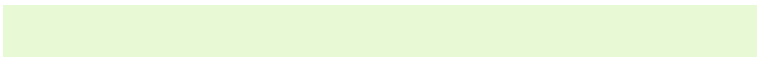
The Inverse Universe completely reimagines the original color for something new.



72.6770, 0.3404, 0.3290



71.5248, 0.3477, 0.3290



90.3246, 0.3232, 0.3672



17.2260, 0.3294, 0.3290



10.7816, 0.6398, 0.3298



0.9988, 0.6391, 0.3294

Previews

White Background



This preview shows how the Yxy color 68.6368, 0.2887, 0.2894 looks on a white background.

Color Contrast Check

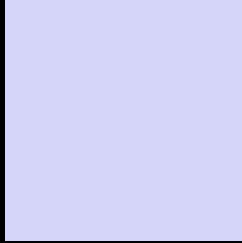
Large Text (above 18pt) WCAG AA × Fail

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 68.6368, 0.2887, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

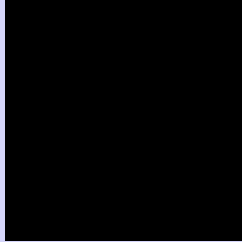
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6368, 0.2887, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 68.6368, 0.2887, 0.2894.

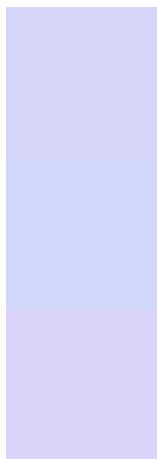


This preview shows how white text looks on a background with the Yxy color 68.6368, 0.2887, 0.2894.

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

68.6368, 0.2887, 0.2894

Protanopia

68.6135, 0.2855, 0.2891

Deuteranopia

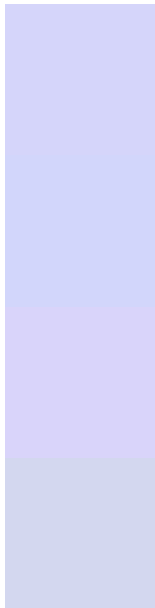
68.7063, 0.2934, 0.2877



Tritanopia

68.6966, 0.2974, 0.3103

Trichromacy



Original Color

68.6368, 0.2887, 0.2894

Protanomaly

68.7598, 0.2862, 0.2892

Deuteranomaly

68.7408, 0.2914, 0.2886

Tritanomaly

68.6818, 0.2943, 0.3028

Monochromacy



Original Color

68.6368, 0.2887, 0.2894

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3678, 0.3041, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6368, 0.2887, 0.2894 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(213, 213, 250)` looks like.

```
.text, #text, p{  
    color:rgb(213, 213, 250)  
}
```

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(213, 213, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 213, 250) }
```

Border

The CSS property to change the border of an element to Yxy 68.6368, 0.2887, 0.2894 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(213, 213, 250) }
```

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

```
.border{ border-color:rgb(213, 213, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 213, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 213, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 213, 250);  
box-shadow:4px 4px 4px 4px rgb(213, 213,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6368, 0.2887, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 213, 250) }
```

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

```
.background{ background-color: rgb(213,  
213, 250) }
```

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