

Converting Colors

$Y_{xy}(68.6880, 0.2875, 0.2831)$

Have a look what the booklet for
Yxy(68.6880, 0.2875, 0.2831)
contains.

Yxy(68.9059, 0.2877, 0.2835)	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(68.9059, 0.2877, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	D8D4FF
RGB	216, 212, 255
RGB Percent	85%, 83%, 100%
CMY	0.1527, 0.1687, 0.0000
CMYK	0.15, 0.17, 0.00, 0.00
HSL	246°, 100%, 92%
HSV	246°, 17%, 100%
XYZ	69.9267, 68.9059, 104.2217
YIQ	218.0980, -11.4190, 14.2210

Conversions

Conversions Part 2

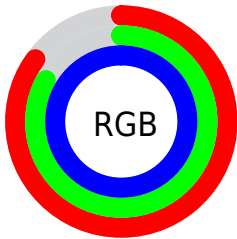
Format	Color
R _Y B	216, 212, 255
Decimal	14210303
CIE Lab	86.46, 9.75, -20.45
CIE LCh	86, 22.658, 295.484
Yxy	68.9059, 0.2877, 0.2835
Android (android.graphics.Color)	4292400383 (0xFFD8D4FF)
YUV	218.0980, 18.1927, -1.8399
Hunter-Lab	83.0096, 5.1005, -16.3342

Details

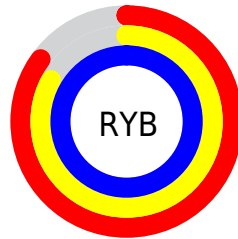
The Yxy color **68.9059, 0.2877, 0.2835** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.7664, 0.3355, 0.3714**, and the grayscale version is **70.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7682, 0.2818, 0.2728** is the 20% darker color. If you saturate the color by 10%, you get **53.8785, 0.2702, 0.2523**, and if you desaturate by 10%, it is **86.4459, 0.3032, 0.3116**.

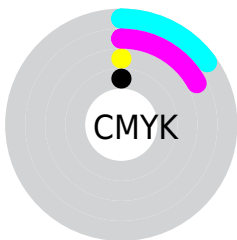
Distribution



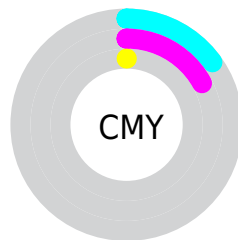
- Red (85%)
- Green (83%)
- Blue (100%)



- Red (85%)
- Yellow (83%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9059, 0.2877, 0.2835 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 68.9059, 0.2877, 0.2835 by changing the saturation by 10% instead.

68.9059, 0.2877,
0.2835

68.9059, 0.2877,
0.2835

456.6990, 0.2995,
0.3042

50.6351, 0.2850,
0.2789

117.6472, 0.2918,
0.2906

35.9183, 0.2816,
0.2732

148.8864, 0.2934,
0.2934

24.3711, 0.2773,
0.2661

185.2172, 0.2948,
0.2958

15.6091, 0.2717,
0.2569

227.0240, 0.2959,
0.2979

9.2480, 0.2640,
0.2447

274.6912, 0.2970,
0.2998

4.9033, 0.2529,
0.2277

328.6032, 0.2979,

2.1906, 0.2357,

0.3014

0.2026

389.1443, 0.2987,
0.3029

0.7149, 0.2065,
0.1605

0.0000, 0.0000,
0.0000

68.9059, 0.2877,
0.2835

68.9059, 0.2877,
0.2835

53.8785, 0.2702,
0.2523

86.4459, 0.3032,
0.3116

41.2404, 0.2510,
0.2186

100.0000, 0.3127,
0.3290

30.8709, 0.2306,
0.1836

22.6352, 0.2101,
0.1491

■ 16.3840, 0.1908,
0.1176

■ 11.9489, 0.1743,
0.0916

■ 9.1334, 0.1618,
0.0733

■ 7.6914, 0.1540,
0.0633

■ 7.4167, 0.1524,
0.0613

Harmonies

Analogous

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



68.9059, 0.2682, 0.2856



68.9059, 0.2877, 0.2835



68.9059, 0.3147, 0.2924

Triad

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



68.9059, 0.2877, 0.2835



68.9059, 0.3680, 0.3553



68.9059, 0.2831, 0.3487

Complementary

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



68.9059, 0.2877, 0.2835



96.7664, 0.3355, 0.3714

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.



68.9059, 0.3089, 0.3699



68.9059, 0.2877, 0.2835



68.9059, 0.3584, 0.3725

Square

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



68.9059, 0.2877, 0.2835



68.9059, 0.3621, 0.3325



68.9059, 0.3365, 0.3786



68.9059, 0.2656, 0.3222

Rectangle

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



68.9059, 0.2877, 0.2835



68.9059, 0.3335, 0.3034



68.9059, 0.3365, 0.3786



68.9059, 0.2910, 0.3568

Sweetspot

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



68.9087, 0.2877, 0.2835



90.0099, 0.3059, 0.3165



90.4690, 0.2870, 0.3252



18.9767, 0.3049, 0.3147



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.



68.9087, 0.2877, 0.2835



63.9379, 0.2824, 0.2741



72.3172, 0.3021, 0.2854



17.4602, 0.2993, 0.3045



3.9027, 0.1531, 0.0617



0.4064, 0.1593, 0.0651

Inverse Universe

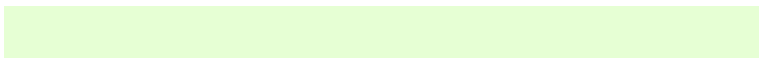
The Inverse Universe completely reimagines the original color for something new.



75.2992, 0.3174, 0.2909



71.3578, 0.3184, 0.2836



93.0804, 0.3218, 0.3733



18.2689, 0.3153, 0.3078



14.1296, 0.3464, 0.1682



1.3841, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 68.9059, 0.2877, 0.2835 looks on a white background.

Color Contrast Check

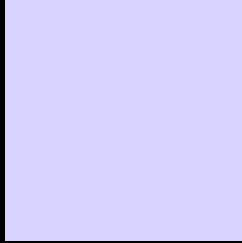
Large Text (above 18pt) WCAG AA × Fail

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 68.9059, 0.2877, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

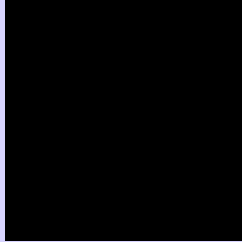
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9059, 0.2877, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 68.9059, 0.2877, 0.2835.

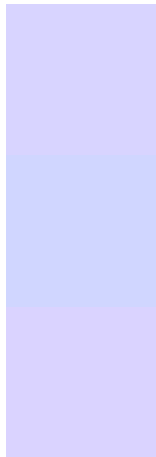


This preview shows how white text looks on a background with the Yxy color 68.9059, 0.2877, 0.2835.

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

68.9059, 0.2877, 0.2835

Protanopia

68.7230, 0.2825, 0.2850

Deuteranopia

68.7140, 0.2890, 0.2826



Tritanopia

68.9920, 0.2987, 0.3103

Trichromacy



Original Color

68.9059, 0.2877, 0.2835

Protanomaly

68.6574, 0.2844, 0.2842

Deuteranomaly

68.5602, 0.2883, 0.2825

Tritanomaly

69.0979, 0.2944, 0.3008

Monochromacy



Original Color

68.9059, 0.2877, 0.2835

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.6330, 0.3035, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9059, 0.2877, 0.2835 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(216, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 212, 255)  
}
```

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(216, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.9059, 0.2877, 0.2835 is called "border". The border property can be set on classes, ids or directly on the HTML element.

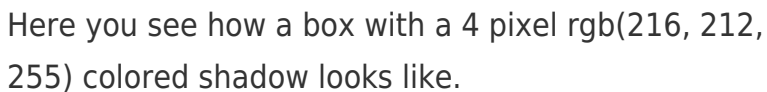
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 212, 255) }
```

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

```
.border{ border-color:rgb(216, 212, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 212, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 212, 255); box-shadow:4px 4px 4px 4px rgb(216, 212, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9059, 0.2877, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 212, 255) }
```

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

```
.background{ background-color: rgb(216,  
212, 255) }
```

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](#).

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