

Converting Colors

$Yxy(69.7509, 0.2816, 0.2876)$

Have a look what the booklet for
Yxy(69.7509, 0.2816, 0.2876)
contains.

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Color

Yxy(69.4535, 0.2813, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	CED8FF
RGB	206, 216, 255
RGB Percent	81%, 85%, 100%
CMY	0.1923, 0.1529, 0.0001
CMYK	0.19, 0.15, 0.00, 0.00
HSL	228°, 100%, 90%
HSV	228°, 19%, 100%
XYZ	68.0504, 69.4535, 104.4101
YIQ	217.4560, -18.4790, 10.0090

Conversions

Conversions Part 2

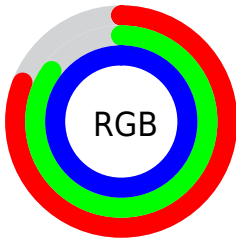
Format	Color
R _Y B	206, 214, 255
Decimal	13555967
CIE Lab	86.73, 4.51, -20.11
CIE LCh	87, 20.605, 282.638
Yxy	69.4535, 0.2813, 0.2871
Android (android.graphics.Color)	4291746047 (0xFFCED8FF)
YUV	217.4560, 18.5092, -10.0469
Hunter-Lab	83.3388, -0.0884, -15.9437

Details

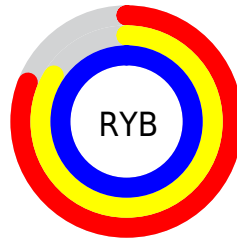
The Yxy color **69.4535, 0.2813, 0.2871** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.9779, 0.3435, 0.3677**, and the grayscale version is **69.5954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1463, 0.2738, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **56.3432, 0.2629, 0.2615**, and if you desaturate by 10%, it is **84.4429, 0.2983, 0.3101**.

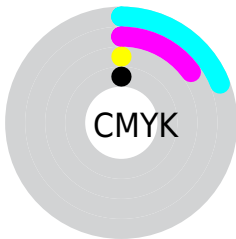
Distribution



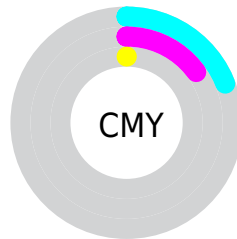
- Red (81%)
- Green (85%)
- Blue (100%)



- Red (81%)
- Yellow (84%)
- Blue (100%)



- Cyan (19%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4535, 0.2813, 0.2871 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 69.4535, 0.2813, 0.2871 by changing the saturation by 10% instead.

■ 69.4535, 0.2813,
0.2871

■ 69.4535, 0.2813,
0.2871

458.6288, 0.2959,
0.3063

■ 51.0811, 0.2780,
0.2828

118.4291, 0.2864,
0.2937

■ 36.2732, 0.2738,
0.2775

149.8011, 0.2883,
0.2963

■ 24.6453, 0.2686,
0.2708

186.2751, 0.2900,
0.2985

■ 15.8130, 0.2618,
0.2621

228.2355, 0.2915,
0.3005

■ 9.3919, 0.2526,
0.2506

276.0666, 0.2928,
0.3022

■ 4.9977, 0.2395,
0.2343

330.1530, 0.2940,

■ 2.2459, 0.2194,

0.3037

0.2100

390.8789, 0.2950,
0.3051

0.7448, 0.1859,
0.1693

0.0000, 0.0000,
0.0000

69.4535, 0.2813,
0.2871

69.4535, 0.2813,
0.2871

56.3432, 0.2629,
0.2615

84.4429, 0.2983,
0.3101

45.0286, 0.2437,
0.2335

99.9988, 0.3127,
0.3290

35.4323, 0.2241,
0.2039

27.4680, 0.2050,
0.1738

■ 21.0416, 0.1877,
0.1445

■ 16.0487, 0.1731,
0.1180

■ 12.3706, 0.1623,
0.0957

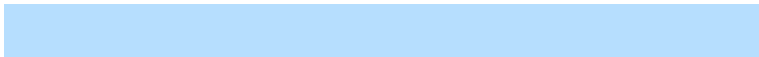
■ 9.8548, 0.1554,
0.0790

■ 9.6979, 0.1550,
0.0779

Harmonies

Analogous

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



69.4535, 0.2677, 0.2937



69.4535, 0.2813, 0.2871



69.4535, 0.3036, 0.2910

Triad

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



69.4535, 0.2813, 0.2871



69.4535, 0.3622, 0.3445



69.4535, 0.2953, 0.3560

Complementary

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



69.4535, 0.2813, 0.2871



90.9779, 0.3435, 0.3677

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.



69.4535, 0.3203, 0.3709



69.4535, 0.2813, 0.2871



69.4535, 0.3595, 0.3629

Square

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



69.4535, 0.2813, 0.2871



69.4535, 0.3510, 0.3232



69.4535, 0.3439, 0.3731



69.4535, 0.2755, 0.3332

Rectangle

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



69.4535, 0.2813, 0.2871



69.4535, 0.3207, 0.2988



69.4535, 0.3439, 0.3731



69.4535, 0.3033, 0.3622

Sweetspot

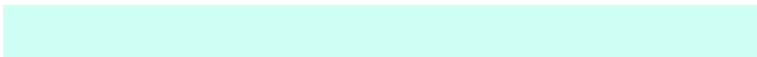
The Sweet Spot groups the original color and five complimentary colors.



69.4563, 0.2813, 0.2871



89.6957, 0.3035, 0.3170



91.1795, 0.2893, 0.3400



18.9677, 0.3025, 0.3156



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.



69.4563, 0.2813, 0.2871



64.2952, 0.2745, 0.2777



66.5410, 0.2901, 0.2774



17.9806, 0.2979, 0.3095



5.2366, 0.1556, 0.0802



0.6568, 0.1610, 0.0995

Inverse Universe

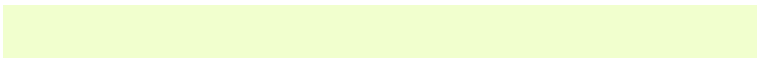
The Inverse Universe completely reimagines the original color for something new.



70.3439, 0.3431, 0.3189



65.4703, 0.3507, 0.3168



94.6804, 0.3326, 0.3785



18.0480, 0.3262, 0.3242



11.2566, 0.6067, 0.3116



1.1109, 0.5767, 0.2950

Previews

White Background



This preview shows how the Yxy color 69.4535, 0.2813, 0.2871 looks on a white background.

Color Contrast Check

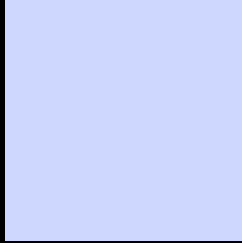
Large Text (above 18pt) WCAG AA × Fail

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 69.4535, 0.2813, 0.2871 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 69.4535, 0.2813, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 69.4535, 0.2813, 0.2871.

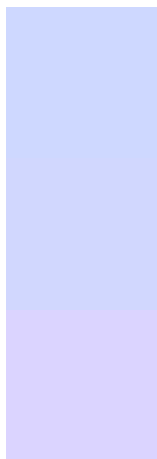


This preview shows how white text looks on a background with the Yxy color 69.4535, 0.2813, 0.2871.

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

69.4535, 0.2813, 0.2871

Protanopia

69.3119, 0.2838, 0.2872

Deuteranopia

69.3670, 0.2897, 0.2838



Tritanopia

69.4740, 0.2902, 0.3090

Trichromacy



Original Color

69.4535, 0.2813, 0.2871

Protanomaly

69.1665, 0.2831, 0.2871

Deuteranomaly

69.1046, 0.2864, 0.2844

Tritanomaly

69.5118, 0.2866, 0.3005

Monochromacy



Original Color

69.4535, 0.2813, 0.2871

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.5414, 0.3007, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4535, 0.2813, 0.2871 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(206, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 216, 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(206, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.4535, 0.2813, 0.2871 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(206, 216, 255) }
```

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

```
.border{ border-color:rgb(206, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4535, 0.2813, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 216, 255) }
```

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

```
.background{ background-color: rgb(206,  
216, 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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