

Converting Colors

$Yxy(68.4997, 0.2753, 0.2872)$

Have a look what the booklet for
Yxy(68.4997, 0.2753, 0.2872)
contains.

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Color

Yxy(68.5815, 0.2751, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	C4D9FF
RGB	196, 217, 255
RGB Percent	77%, 85%, 100%
CMY	0.2310, 0.1491, 0.0000
CMYK	0.23, 0.15, 0.00, 0.00
HSL	219°, 100%, 88%
HSV	219°, 23%, 100%
XYZ	65.6464, 68.5815, 104.3995
YIQ	215.0530, -24.7140, 7.3660

Conversions

Conversions Part 2

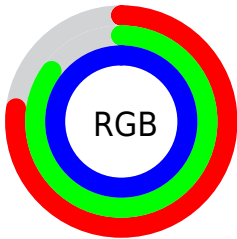
Format	Color
R _Y B	196, 211, 255
Decimal	12900863
CIE Lab	86.30, 1.04, -20.84
CIE LCh	86, 20.869, 272.853
Yxy	68.5815, 0.2751, 0.2874
Android (android.graphics.Color)	4291090943 (0xFFC4D9FF)
YUV	215.0530, 19.6939, -16.7095
Hunter-Lab	82.8139, -3.4280, -16.7742

Details

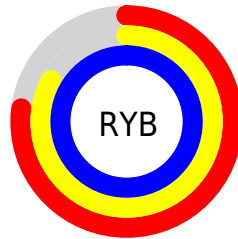
The Yxy color **68.5815, 0.2751, 0.2874** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.1565, 0.3521, 0.3673**, and the grayscale version is **67.8793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **35.5806, 0.2660, 0.2776** is the 20% darker color. If you saturate the color by 10%, you get **57.3832, 0.2575, 0.2661**, and if you desaturate by 10%, it is **81.2102, 0.2920, 0.3068**.

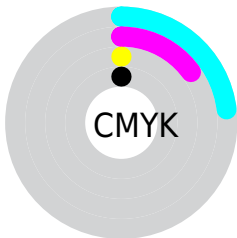
Distribution



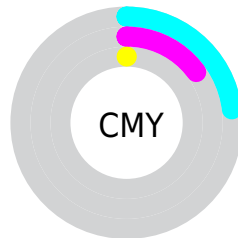
- Red (77%)
- Green (85%)
- Blue (100%)



- Red (77%)
- Yellow (83%)
- Blue (100%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5815, 0.2751, 0.2874 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 68.5815, 0.2751, 0.2874 by changing the saturation by 10% instead.

■ 68.5815, 0.2751,
0.2874

■ 68.5815, 0.2751,
0.2874

455.5536, 0.2925,
0.3066

■ 50.3710, 0.2711,
0.2830

117.1836, 0.2811,
0.2940

■ 35.7082, 0.2662,
0.2777

148.3440, 0.2835,
0.2966

■ 24.2089, 0.2601,
0.2709

184.5898, 0.2855,
0.2989

■ 15.4887, 0.2520,
0.2621

226.3054, 0.2873,
0.3008

■ 9.1631, 0.2412,
0.2503

273.8751, 0.2888,
0.3025

■ 4.8477, 0.2258,
0.2336

327.6835, 0.2902,

■ 2.1582, 0.2026,

0.3040

0.2084

388.1148, 0.2914,
0.3054

0.6970, 0.1630,
0.1651

0.0000, 0.0000,
0.0000

68.5815, 0.2751,
0.2874

68.5815, 0.2751,
0.2874

57.3832, 0.2575,
0.2661

81.2102, 0.2920,
0.3068

47.5565, 0.2396,
0.2429

95.3154, 0.3080,
0.3241

39.0451, 0.2219,
0.2184

100.0000, 0.3127,
0.3290

31.7869, 0.2052,
0.1932

■ 25.7135, 0.1904,
0.1682

■ 20.7489, 0.1780,
0.1445

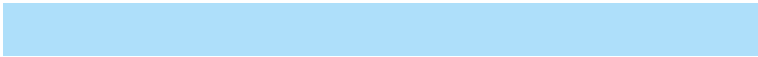
■ 16.8048, 0.1687,
0.1231

■ 14.6055, 0.1639,
0.1101

Harmonies

Analogous

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



68.5815, 0.2649, 0.2976



68.5815, 0.2751, 0.2874



68.5815, 0.2953, 0.2880

Triad

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



68.5815, 0.2751, 0.2874



68.5815, 0.3609, 0.3378



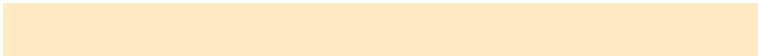
68.5815, 0.3030, 0.3627

Complementary

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



68.5815, 0.2751, 0.2874



84.1565, 0.3521, 0.3673

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.



68.5815, 0.3287, 0.3739



68.5815, 0.2751, 0.2874



68.5815, 0.3628, 0.3580

Square

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



68.5815, 0.2751, 0.2874



68.5815, 0.3453, 0.3163



68.5815, 0.3508, 0.3717



68.5815, 0.2805, 0.3413

Rectangle

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



68.5815, 0.2751, 0.2874



68.5815, 0.3123, 0.2940



68.5815, 0.3508, 0.3717



68.5815, 0.3115, 0.3678

Sweetspot

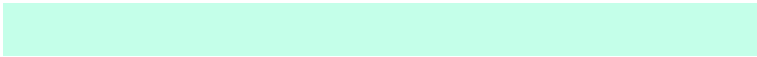
The Sweet Spot groups the original color and five complimentary colors.



68.5831, 0.2751, 0.2874



89.6394, 0.3019, 0.3176



89.1736, 0.2895, 0.3522



19.0028, 0.3009, 0.3165



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.



68.5831, 0.2751, 0.2874



62.9232, 0.2665, 0.2772



59.5688, 0.2786, 0.2647



18.4317, 0.2979, 0.3132



7.8856, 0.1648, 0.1131



0.9647, 0.1710, 0.1355

Inverse Universe

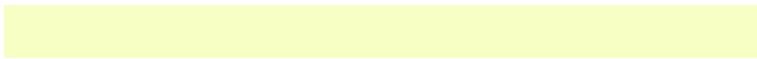
The Inverse Universe completely reimagines the original color for something new.



65.7883, 0.3439, 0.3078



59.9746, 0.3526, 0.3030



95.3101, 0.3425, 0.3879



18.0935, 0.3238, 0.3206



11.5240, 0.5565, 0.2839



1.1419, 0.5251, 0.2666

Previews

White Background



This preview shows how the Yxy color 68.5815, 0.2751, 0.2874 looks on a white background.

Color Contrast Check

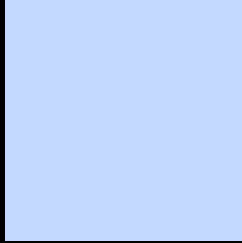
Large Text (above 18pt) WCAG AA × Fail

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 68.5815, 0.2751, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

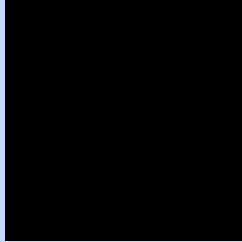
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

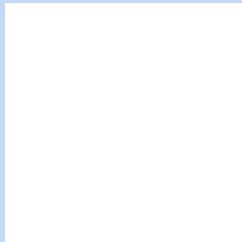
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5815, 0.2751, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 68.5815, 0.2751, 0.2874.



This preview shows how white text looks on a background with the Yxy color 68.5815, 0.2751, 0.2874.

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

68.5815, 0.2751, 0.2874

Protanopia

68.5949, 0.2837, 0.2870

Deuteranopia

68.5602, 0.2883, 0.2825



Tritanopia

68.6383, 0.2838, 0.3098

Trichromacy



Original Color

68.5815, 0.2751, 0.2874

Protanomaly

68.5940, 0.2805, 0.2868

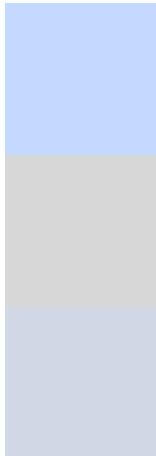
Deuteranomaly

68.3638, 0.2831, 0.2840

Tritanomaly

68.6640, 0.2802, 0.3011

Monochromacy



Original Color

68.5815, 0.2751, 0.2874

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.2348, 0.2979, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5815, 0.2751, 0.2874 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(196, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 217, 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(196, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.5815, 0.2751, 0.2874 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(196, 217, 255) }
```

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

```
.border{ border-color:rgb(196, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5815, 0.2751, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 217, 255) }
```

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

```
.background{ background-color: rgb(196,  
217, 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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