

Converting Colors

Yxy(85.4123, 0.2828, 0.3091)

Have a look what the booklet for
Yxy(85.4123, 0.2828, 0.3091)
contains.

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Color

Yxy(84.7213, 0.2865, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	D4F2FF
RGB	212, 242, 255
RGB Percent	83%, 95%, 100%
CMY	0.1686, 0.0510, 0.0000
CMYK	0.17, 0.05, 0.00, 0.00
HSL	198°, 100%, 92%
HSV	198°, 17%, 100%
XYZ	76.9583, 84.7213, 106.9358
YIQ	234.5120, -22.0530, -2.3170

Conversions

Conversions Part 2

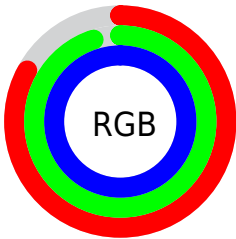
Format	Color
R _Y B	212, 230, 255
Decimal	13955839
CIE Lab	93.76, -7.09, -9.55
CIE LCh	94, 11.898, 233.417
Yxy	84.7213, 0.2865, 0.3154
Android (android.graphics.Color)	4292145919 (0xFFD4F2FF)
YUV	234.5120, 10.1006, -19.7430
Hunter-Lab	92.0442, -11.8331, -4.4515

Details

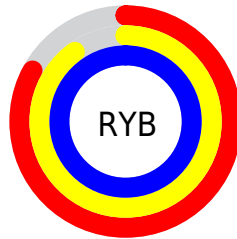
The Yxy color **84.7213, 0.2865, 0.3154** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.8649, 0.3430, 0.3422**, and the grayscale version is **82.6224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3631, 0.2811, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **76.7341, 0.2712, 0.3063**, and if you desaturate by 10%, it is **93.5024, 0.3021, 0.3238**.

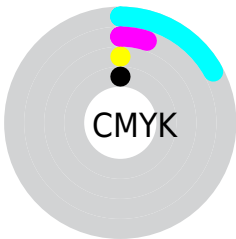
Distribution



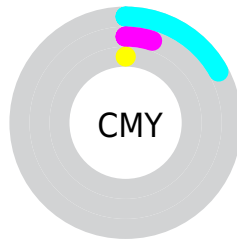
- Red (83%)
- Green (95%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7213, 0.2865, 0.3154 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 84.7213, 0.2865, 0.3154 by changing the saturation by 10% instead.

84.7213, 0.2865,
0.3154

84.7213, 0.2865,
0.3154

510.7054, 0.2982,
0.3216

63.6111, 0.2839,
0.3140

139.9837, 0.2905,
0.3175

46.3358, 0.2808,
0.3123

174.9048, 0.2921,
0.3184

32.5109, 0.2769,
0.3101

215.1982, 0.2934,
0.3191

21.7520, 0.2719,
0.3073

261.2485, 0.2946,
0.3197

13.6748, 0.2653,
0.3035

313.4399, 0.2957,
0.3203

7.8948, 0.2562,
0.2982

372.1570, 0.2966,

4.0277, 0.2429,

0.3208

0.2900

437.7840, 0.2975,
0.3212

■ 1.6891, 0.2215,
0.2763

■ 0.4166, 0.1259,
0.2354

■ 84.7213, 0.2865,
0.3154

■ 84.7213, 0.2865,
0.3154

■ 76.7341, 0.2712,
0.3063

■ 93.5024, 0.3021,
0.3238

■ 69.5075, 0.2563,
0.2964

100.0000, 0.3127,
0.3290

■ 63.0097, 0.2424,
0.2859

■ 57.2053, 0.2297,
0.2748

■ 52.0552, 0.2186,
0.2634

■ 47.5152, 0.2095,
0.2517

■ 43.5338, 0.2023,
0.2401

■ 40.0465, 0.1972,
0.2287

■ 39.0242, 0.1959,
0.2251

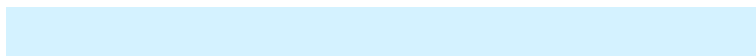
Harmonies

Analogous

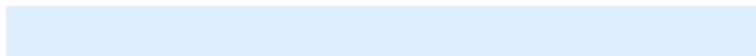
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7213, 0.2897, 0.3269



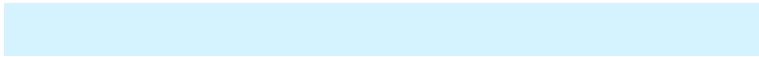
84.7213, 0.2865, 0.3154



84.7213, 0.2901, 0.3079

Triad

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



84.7213, 0.2865, 0.3154



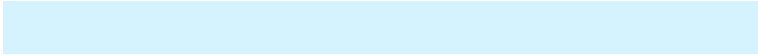
84.7213, 0.3264, 0.3189



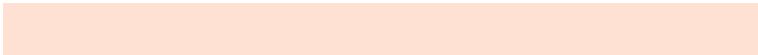
84.7213, 0.3255, 0.3529

Complementary

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



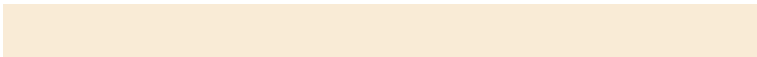
84.7213, 0.2865, 0.3154



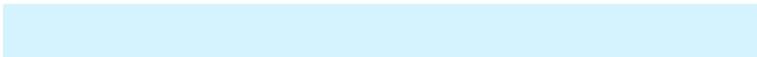
79.8649, 0.3430, 0.3422

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.



84.7213, 0.3357, 0.3501



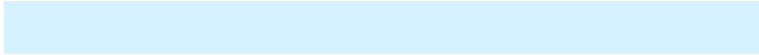
84.7213, 0.2865, 0.3154



84.7213, 0.3362, 0.3304

Square

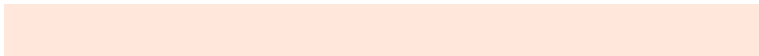
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7213, 0.2865, 0.3154



84.7213, 0.3129, 0.3101



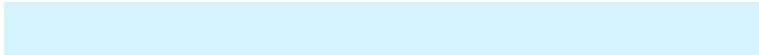
84.7213, 0.3397, 0.3418



84.7213, 0.3121, 0.3490

Rectangle

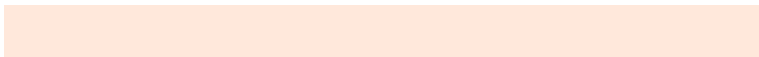
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7213, 0.2865, 0.3154



84.7213, 0.2959, 0.3060



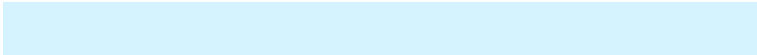
84.7213, 0.3397, 0.3418



84.7213, 0.3294, 0.3527

Sweetspot

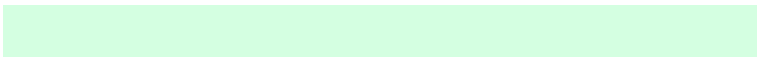
The Sweet Spot groups the original color and five complimentary colors.



84.7223, 0.2865, 0.3154



95.2268, 0.3050, 0.3252



90.9483, 0.3034, 0.3607



20.2424, 0.3039, 0.3247



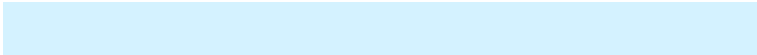
0.0000, 0.0000, 0.0000



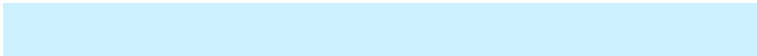
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7223, 0.2865, 0.3154



82.1315, 0.2817, 0.3127



72.7205, 0.2854, 0.2925



19.4999, 0.2980, 0.3216



20.6659, 0.1964, 0.2270



2.2044, 0.2000, 0.2400

Inverse Universe

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



74.7592, 0.3236, 0.2993



70.7122, 0.3259, 0.2936



92.1691, 0.3395, 0.3630



18.2013, 0.3185, 0.3126



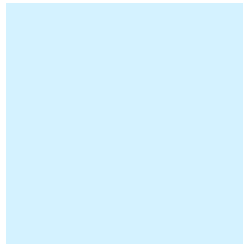
12.8142, 0.4157, 0.2064



1.2671, 0.4023, 0.1990

Previews

White Background



This preview shows how the Yxy color 84.7213, 0.2865, 0.3154 looks on a white background.

Color Contrast Check

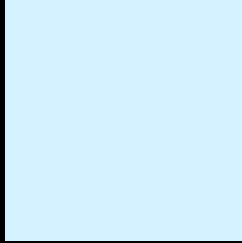
Large Text (above 18pt) WCAG AA × Fail

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 84.7213, 0.2865, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

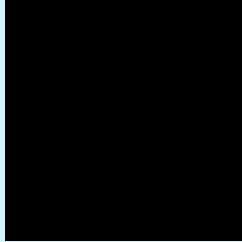
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

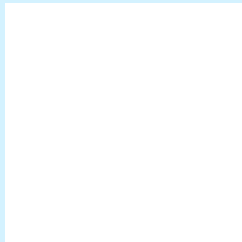
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7213, 0.2865, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 84.7213, 0.2865, 0.3154.



This preview shows how white text looks on a background with the Yxy color 84.7213, 0.2865, 0.3154.

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

84.7213, 0.2865, 0.3154

Protanopia

84.3862, 0.3043, 0.3129

Deuteranopia

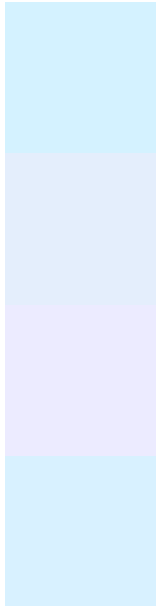
84.5116, 0.3098, 0.3055



Tritanopia

84.6002, 0.2906, 0.3135

Trichromacy



Original Color

84.7213, 0.2865, 0.3154

Protanomaly

84.6713, 0.2979, 0.3147

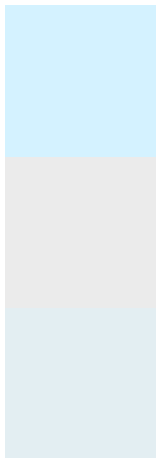
Deuteranomaly

84.4695, 0.3012, 0.3090

Tritanomaly

84.7295, 0.2889, 0.3145

Monochromacy



Original Color

84.7213, 0.2865, 0.3154

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.8908, 0.3031, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7213, 0.2865, 0.3154 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(212, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 242, 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(212, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.7213, 0.2865, 0.3154 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(212, 242, 255) }
```

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

```
.border{ border-color:rgb(212, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7213, 0.2865, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 242, 255) }
```

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

```
.background{ background-color: rgb(212,  
242, 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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