

Converting Colors

$Yxy(87.1801, 0.2660, 0.2793)$

Have a look what the booklet for
Yxy(87.1801, 0.2660, 0.2793)
contains.

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Color

Yxy(84.4259, 0.2853, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	D2F2FF
RGB	210, 242, 255
RGB Percent	82%, 95%, 100%
CMY	0.1767, 0.0509, 0.0000
CMYK	0.18, 0.05, 0.00, 0.00
HSL	197°, 100%, 91%
HSV	197°, 18%, 100%
XYZ	76.3688, 84.4259, 106.8842
YIQ	233.9140, -23.2450, -2.7410

Conversions

Conversions Part 2

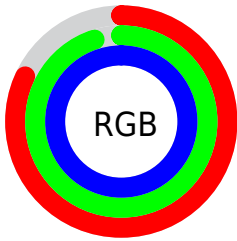
Format	Color
R _Y B	210, 229, 255
Decimal	13824767
CIE Lab	93.64, -7.73, -9.74
CIE LCh	94, 12.439, 231.557
Yxy	84.4259, 0.2853, 0.3154
Android (android.graphics.Color)	4292014847 (0xFFD2F2FF)
YUV	233.9140, 10.3954, -20.9726
Hunter-Lab	91.8836, -12.4365, -4.6510

Details

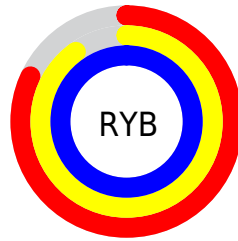
The Yxy color **84.4259, 0.2853, 0.3154** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.6451, 0.3448, 0.3422**, and the grayscale version is **82.1386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1636, 0.2796, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **76.6944, 0.2701, 0.3067**, and if you desaturate by 10%, it is **92.9353, 0.3008, 0.3234**.

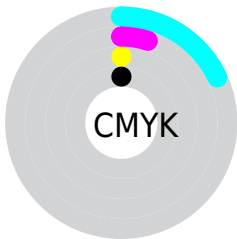
Distribution



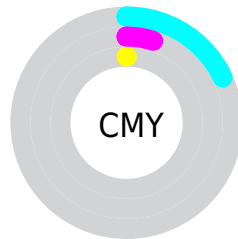
- Red (82%)
- Green (95%)
- Blue (100%)



- Red (82%)
- Yellow (90%)
- Blue (100%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4259, 0.2853, 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 84.4259, 0.2853, 0.3154 by changing the saturation by 10% instead.

84.4259, 0.2853,
0.3154

84.4259, 0.2853,
0.3154

509.7265, 0.2975,
0.3216

63.3671, 0.2826,
0.3140

139.5708, 0.2895,
0.3176

46.1383, 0.2793,
0.3123

174.4257, 0.2911,
0.3184

32.3550, 0.2752,
0.3101

214.6481, 0.2925,
0.3191

21.6328, 0.2700,
0.3072

260.6224, 0.2938,
0.3198

13.5873, 0.2631,
0.3034

312.7330, 0.2949,
0.3203

7.8342, 0.2536,
0.2980

371.3643, 0.2959,

3.9890, 0.2397,

0.3208

0.2898

436.9006, 0.2968,
0.3213

■ 1.6674, 0.2173,
0.2758

■ 0.4024, 0.1124,
0.2334

■ 84.4259, 0.2853,
0.3154

■ 84.4259, 0.2853,
0.3154

■ 76.6944, 0.2701,
0.3067

■ 92.9353, 0.3008,
0.3234

■ 69.7016, 0.2554,
0.2972

100.0000, 0.3127,
0.3290

■ 63.4181, 0.2417,
0.2872

■ 57.8084, 0.2294,
0.2766

■ 52.8333, 0.2186,
0.2657

■ 48.4485, 0.2098,
0.2547

■ 44.6024, 0.2031,
0.2437

■ 41.2269, 0.1983,
0.2329

■ 40.4852, 0.1973,
0.2303

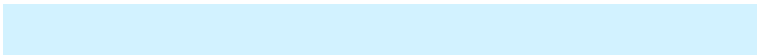
Harmonies

Analogous

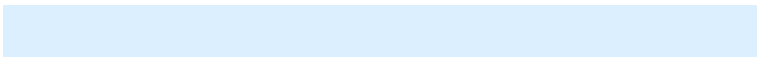
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4259, 0.2891, 0.3276



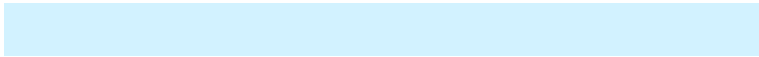
84.4259, 0.2853, 0.3154



84.4259, 0.2886, 0.3072

Triad

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



84.4259, 0.2853, 0.3154



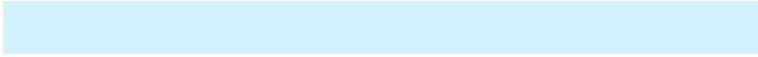
84.4259, 0.3262, 0.3177



84.4259, 0.3269, 0.3541

Complementary

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



84.4259, 0.2853, 0.3154



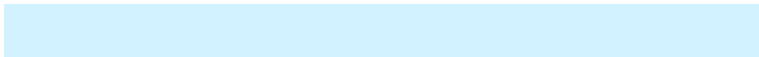
78.6451, 0.3448, 0.3422

Split Complementary

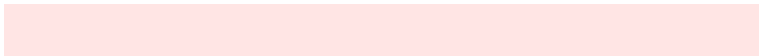
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4259, 0.3372, 0.3507



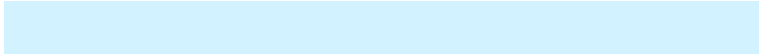
84.4259, 0.2853, 0.3154



84.4259, 0.3369, 0.3296

Square

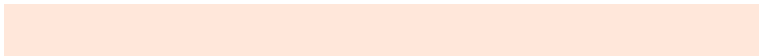
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4259, 0.2853, 0.3154



84.4259, 0.3120, 0.3088



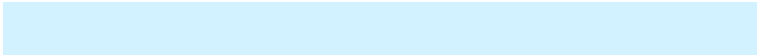
84.4259, 0.3409, 0.3417



84.4259, 0.3129, 0.3505

Rectangle

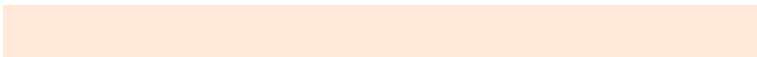
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4259, 0.2853, 0.3154



84.4259, 0.2945, 0.3050



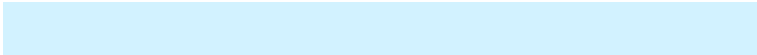
84.4259, 0.3409, 0.3417



84.4259, 0.3309, 0.3537

Sweetspot

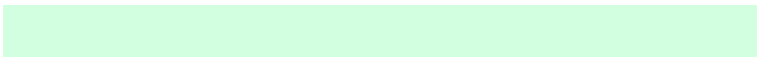
The Sweet Spot groups the original color and five complimentary colors.



84.4288, 0.2853, 0.3154



95.3402, 0.3050, 0.3254



90.5253, 0.3034, 0.3632



20.2700, 0.3039, 0.3249



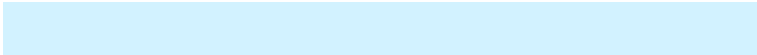
0.0000, 0.0000, 0.0000



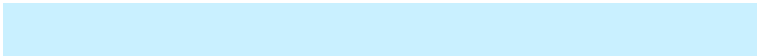
21.4041, 0.3127, 0.3290

Same Dimension

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



84.4288, 0.2853, 0.3154



81.7685, 0.2802, 0.3126



71.9452, 0.2841, 0.2914



19.5452, 0.2980, 0.3220



21.4233, 0.1978, 0.2321



2.2735, 0.2013, 0.2445

Inverse Universe

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



73.7370, 0.3237, 0.2973



69.5093, 0.3262, 0.2911



91.3590, 0.3410, 0.3640



18.2059, 0.3182, 0.3122



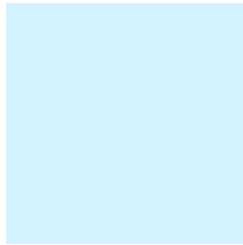
12.8907, 0.4104, 0.2035



1.2741, 0.3977, 0.1965

Previews

White Background



This preview shows how the Yxy color 84.4259, 0.2853, 0.3154 looks on a white background.

Color Contrast Check

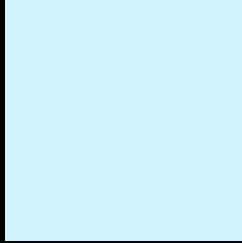
Large Text (above 18pt) WCAG AA × Fail

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 84.4259, 0.2853, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

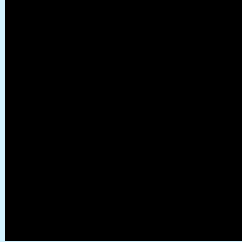
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4259, 0.2853, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 84.4259, 0.2853, 0.3154.



This preview shows how white text looks on a background with the Yxy color 84.4259, 0.2853, 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

84.4259, 0.2853, 0.3154

Protanopia

84.2146, 0.3036, 0.3129

Deuteranopia

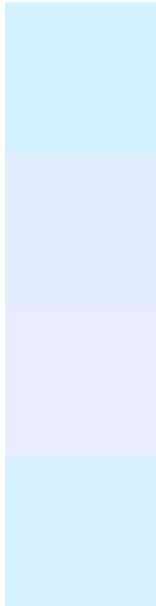
84.3283, 0.3091, 0.3055



Tritanopia

84.2919, 0.2894, 0.3135

Trichromacy



Original Color

84.4259, 0.2853, 0.3154

Protanomaly

84.5082, 0.2973, 0.3147

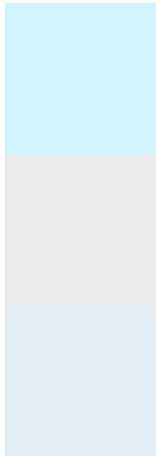
Deuteranomaly

84.1291, 0.2999, 0.3089

Tritanomaly

84.4267, 0.2877, 0.3144

Monochromacy



Original Color

84.4259, 0.2853, 0.3154

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.9867, 0.3019, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4259, 0.2853, 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(210, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 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(210, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.4259, 0.2853, 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(210, 242, 255) }
```

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

```
.border{ border-color:rgb(210, 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(210, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4259, 0.2853, 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(210, 242, 255) }
```

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

```
.background{ background-color: rgb(210,  
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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