

Converting Colors

$Yxy(86.8905, 0.2687, 0.2880)$

Have a look what the booklet for
Yxy(86.8905, 0.2687, 0.2880)
contains.

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Color

Yxy(84.5866, 0.2836, 0.3164)

Conversions

Conversions Part 1

Format	Color
Hex	CFF3FF
RGB	207, 243, 255
RGB Percent	81%, 95%, 100%
CMY	0.1885, 0.0470, 0.0000
CMYK	0.19, 0.05, 0.00, 0.00
HSL	195°, 100%, 91%
HSV	195°, 19%, 100%
XYZ	75.8178, 84.5866, 106.9363
YIQ	233.6040, -25.3080, -3.9000

Conversions

Conversions Part 2

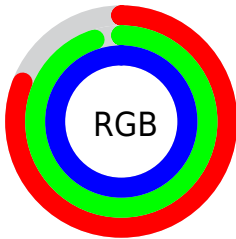
Format	Color
R _Y B	207, 228, 255
Decimal	13628415
CIE Lab	93.70, -9.15, -9.65
CIE LCh	94, 13.304, 226.526
Yxy	84.5866, 0.2836, 0.3164
Android (android.graphics.Color)	4291818495 (0xFFCFF3FF)
YUV	233.6040, 10.5482, -23.3317
Hunter-Lab	91.9710, -13.7997, -4.5579

Details

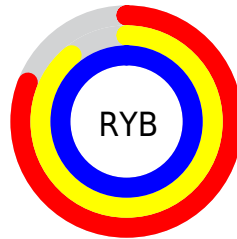
The Yxy color **84.5866, 0.2836, 0.3164** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3772, 0.3476, 0.3413**, and the grayscale version is **81.8911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2933, 0.2775, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **77.4726, 0.2686, 0.3088**, and if you desaturate by 10%, it is **92.4322, 0.2990, 0.3234**.

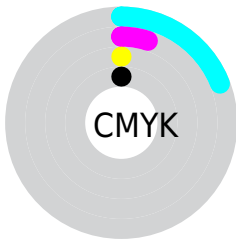
Distribution



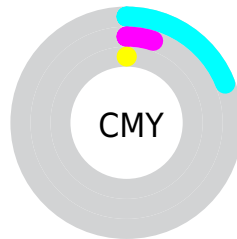
- Red (81%)
- Green (95%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5866, 0.2836, 0.3164 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 84.5866, 0.2836, 0.3164 by changing the saturation by 10% instead.

84.5866, 0.2836,
0.3164

84.5866, 0.2836,
0.3164

510.2591, 0.2966,
0.3222

63.4999, 0.2807,
0.3151

139.7954, 0.2880,
0.3184

46.2457, 0.2773,
0.3135

174.6863, 0.2898,
0.3192

32.4398, 0.2729,
0.3114

214.9474, 0.2913,
0.3199

21.6976, 0.2674,
0.3087

260.9630, 0.2926,
0.3205

13.6349, 0.2601,
0.3051

313.1176, 0.2938,
0.3210

7.8672, 0.2501,
0.3000

371.7956, 0.2948,

4.0101, 0.2354,

0.3214

0.2921

437.3813, 0.2958,
0.3219

■ 1.6792, 0.2120,
0.2786

■ 0.4101, 0.0975,
0.2403

■ 84.5866, 0.2836,
0.3164

■ 84.5866, 0.2836,
0.3164

■ 77.4726, 0.2686,
0.3088

■ 92.4322, 0.2990,
0.3234

■ 71.0500, 0.2544,
0.3006

99.9999, 0.3127,
0.3290

■ 65.2903, 0.2413,
0.2920

■ 60.1583, 0.2297,
0.2829

■ 55.6152, 0.2197,
0.2736

■ 51.6168, 0.2118,
0.2642

■ 48.1110, 0.2058,
0.2548

■ 45.0224, 0.2017,
0.2456

■ 44.6828, 0.2013,
0.2445

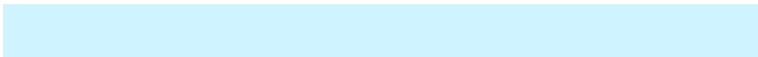
Harmonies

Analogous

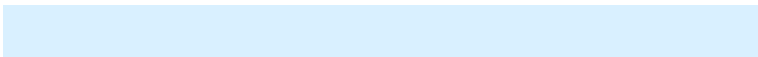
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5866, 0.2889, 0.3299



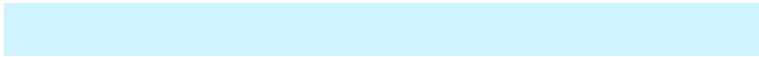
84.5866, 0.2836, 0.3164



84.5866, 0.2859, 0.3068

Triad

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



84.5866, 0.2836, 0.3164



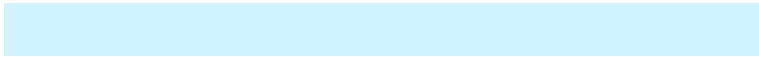
84.5866, 0.3247, 0.3151



84.5866, 0.3301, 0.3558

Complementary

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



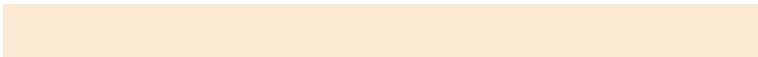
84.5866, 0.2836, 0.3164



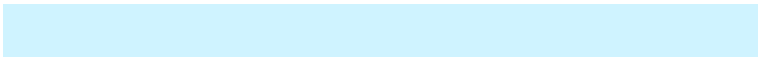
76.3772, 0.3476, 0.3413

Split Complementary

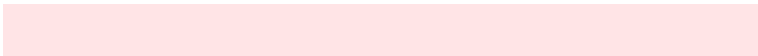
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5866, 0.3401, 0.3509



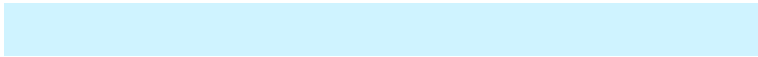
84.5866, 0.2836, 0.3164



84.5866, 0.3371, 0.3274

Square

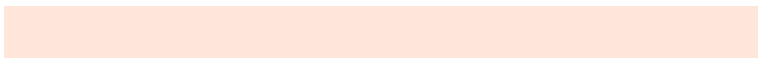
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



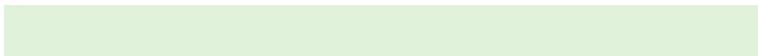
84.5866, 0.2836, 0.3164



84.5866, 0.3093, 0.3063



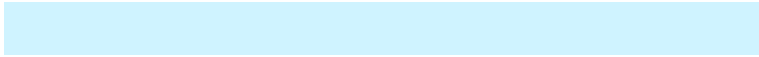
84.5866, 0.3428, 0.3405



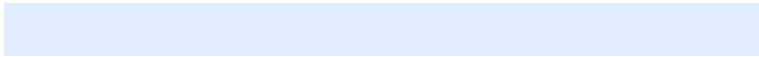
84.5866, 0.3155, 0.3531

Rectangle

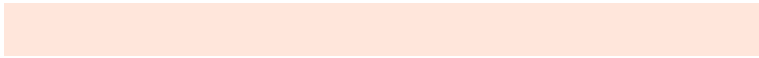
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5866, 0.2836, 0.3164



84.5866, 0.2914, 0.3037



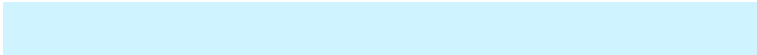
84.5866, 0.3428, 0.3405



84.5866, 0.3341, 0.3549

Sweetspot

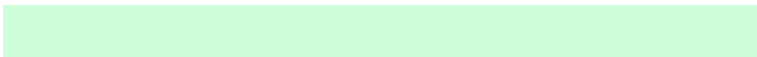
The Sweet Spot groups the original color and five complimentary colors.



84.5901, 0.2836, 0.3164



94.8045, 0.3034, 0.3252



89.8447, 0.3041, 0.3684



20.1746, 0.3024, 0.3248



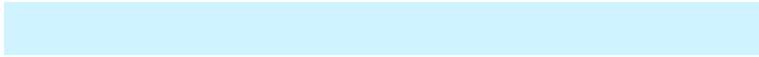
0.0000, 0.0000, 0.0000



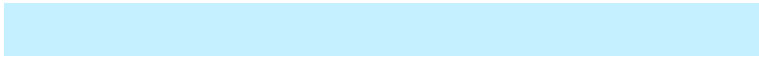
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5901, 0.2836, 0.3164



81.5505, 0.2773, 0.3133



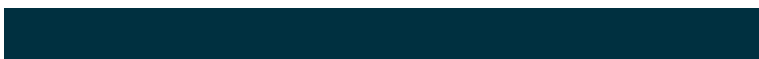
71.5310, 0.2821, 0.2913



19.6697, 0.2980, 0.3229



23.5970, 0.2017, 0.2460



2.4702, 0.2046, 0.2566

Inverse Universe

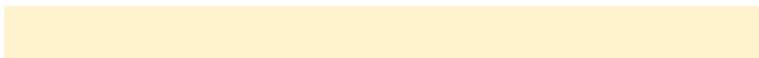
The Inverse Universe completely reimagines the original color for something new.



72.3251, 0.3232, 0.2933



67.2122, 0.3260, 0.2851



89.3737, 0.3434, 0.3641



18.2185, 0.3176, 0.3113



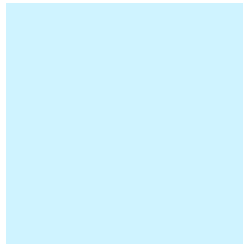
13.1101, 0.3962, 0.1956



1.2939, 0.3857, 0.1898

Previews

White Background



This preview shows how the Yxy color 84.5866, 0.2836, 0.3164 looks on a white background.

Color Contrast Check

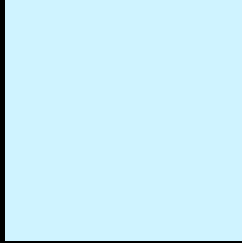
Large Text (above 18pt) WCAG AA × Fail

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 84.5866, 0.2836, 0.3164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

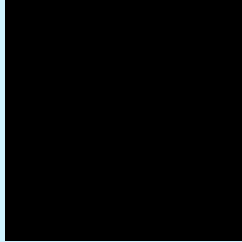
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

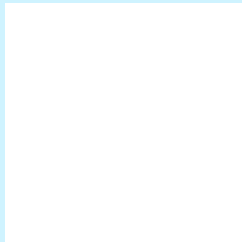
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5866, 0.2836, 0.3164

Background



This preview shows how black text looks on a background with the Yxy color 84.5866, 0.2836, 0.3164.



This preview shows how white text looks on a background with the Yxy color 84.5866, 0.2836, 0.3164.

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

84.5866, 0.2836, 0.3164

Protanopia

84.3233, 0.3049, 0.3139

Deuteranopia

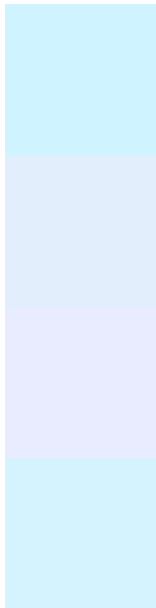
84.3283, 0.3091, 0.3055



Tritanopia

84.7295, 0.2889, 0.3145

Trichromacy



Original Color

84.5866, 0.2836, 0.3164

Protanomaly

84.3461, 0.2966, 0.3147

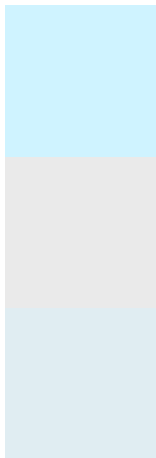
Deuteranomaly

83.9603, 0.2993, 0.3088

Tritanomaly

84.8704, 0.2871, 0.3155

Monochromacy



Original Color

84.5866, 0.2836, 0.3164

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8265, 0.3012, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5866, 0.2836, 0.3164 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(207, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 243, 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(207, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.5866, 0.2836, 0.3164 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(207, 243, 255) }
```

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

```
.border{ border-color:rgb(207, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 243, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 243, 255); box-shadow:4px 4px 4px 4px rgb(207, 243, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5866, 0.2836, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 243, 255) }
```

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

```
.background{ background-color: rgb(207,  
243, 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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