

Converting Colors

$Y_{xy}(88.1305, 0.2852, 0.3220)$

Have a look what the booklet for
Yxy(88.1305, 0.2852, 0.3220)
contains.

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Color

Yxy(87.9101, 0.2851, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	D1F8FF
RGB	209, 248, 255
RGB Percent	82%, 97%, 100%
CMY	0.1804, 0.0274, 0.0001
CMYK	0.18, 0.03, 0.00, 0.00
HSL	189°, 100%, 91%
HSV	189°, 18%, 100%
XYZ	77.9085, 87.9101, 107.4487
YIQ	237.1370, -25.4910, -6.0910

Conversions

Conversions Part 2

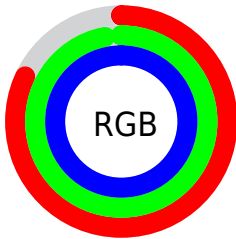
Format	Color
R _Y B	209, 230, 255
Decimal	13760767
CIE _{Lab}	95.12, -11.04, -7.53
CIE _{LCh}	95, 13.365, 214.275
Y _{xy}	87.9101, 0.2851, 0.3217
Android (android.graphics.Color)	4291950847 (0xFFD1F8FF)
Y _{UV}	237.1370, 8.8065, -24.6761
Hunter-Lab	93.7604, -15.7593, -2.3136

Details

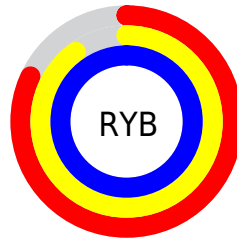
The Yxy color **87.9101, 0.2851, 0.3217** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.9558, 0.3466, 0.3362**, and the grayscale version is **84.7461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6465, 0.2795, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **82.1352, 0.2706, 0.3172**, and if you desaturate by 10%, it is **94.3365, 0.3003, 0.3259**.

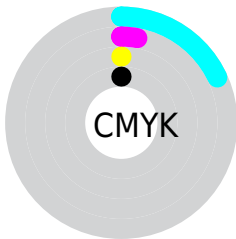
Distribution



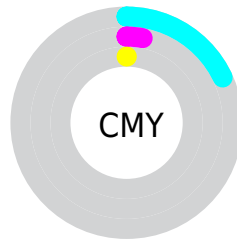
- Red (82%)
- Green (97%)
- Blue (100%)



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



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9101, 0.2851, 0.3217 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 87.9101, 0.2851, 0.3217 by changing the saturation by 10% instead.

 87.9101, 0.2851,
0.3217

 87.9101, 0.2851,
0.3217


521.2088, 0.2973,
0.3251

 66.2486, 0.2824,
0.3209

144.4320, 0.2893,
0.3229

 48.4743, 0.2792,
0.3200


180.0612, 0.2909,
0.3233

 34.2026, 0.2751,
0.3187


221.1151, 0.2923,
0.3237

 23.0493, 0.2700,
0.3171

267.9781, 0.2936,
0.3241

 14.6299, 0.2633,
0.3150

321.0345, 0.2947,
0.3244

 8.5601, 0.2540,
0.3118

380.6689, 0.2957,

 4.4554, 0.2406,

0.3247

0.3070

447.2655, 0.2966,
0.3249

■ 1.9314, 0.2193,
0.2986

■ 0.5672, 0.1353,
0.2848

■ 87.9101, 0.2851,
0.3217

■ 87.9101, 0.2851,
0.3217

■ 82.1352, 0.2706,
0.3172

■ 94.3365, 0.3003,
0.3259

■ 76.9723, 0.2572,
0.3123

99.9985, 0.3127,
0.3290

■ 72.3943, 0.2451,
0.3072

■ 68.3674, 0.2346,
0.3019

■ 64.8542, 0.2259,
0.2964

■ 61.8121, 0.2191,
0.2910

■ 59.1908, 0.2144,
0.2855

■ 56.9224, 0.2114,
0.2802

■ 56.4983, 0.2109,
0.2791

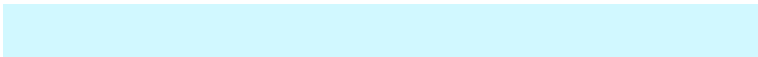
Harmonies

Analogous

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



87.9101, 0.2931, 0.3357



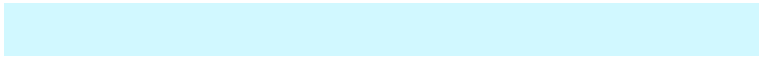
87.9101, 0.2851, 0.3217



87.9101, 0.2843, 0.3102

Triad

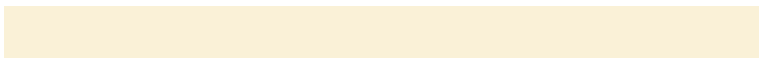
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9101, 0.2851, 0.3217



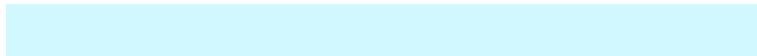
87.9101, 0.3185, 0.3111



87.9101, 0.3348, 0.3544

Complementary

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



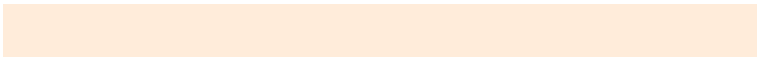
87.9101, 0.2851, 0.3217



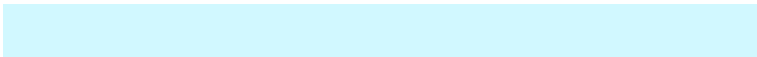
74.9558, 0.3466, 0.3362

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.



87.9101, 0.3420, 0.3470



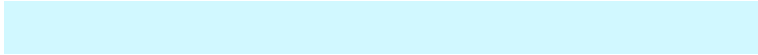
87.9101, 0.2851, 0.3217



87.9101, 0.3325, 0.3222

Square

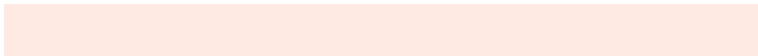
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.9101, 0.2851, 0.3217



87.9101, 0.3033, 0.3045



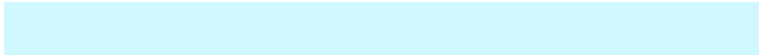
87.9101, 0.3412, 0.3352



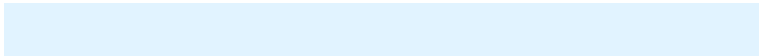
87.9101, 0.3217, 0.3549

Rectangle

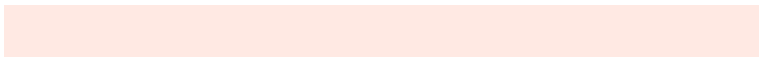
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



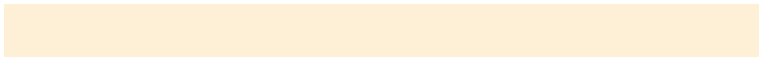
87.9101, 0.2851, 0.3217



87.9101, 0.2879, 0.3054



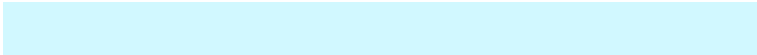
87.9101, 0.3412, 0.3352



87.9101, 0.3380, 0.3526

Sweetspot

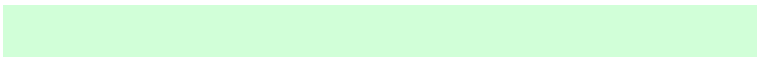
The Sweet Spot groups the original color and five complimentary colors.



87.9137, 0.2851, 0.3217



96.4346, 0.3049, 0.3271



90.0133, 0.3066, 0.3707



20.5367, 0.3038, 0.3268



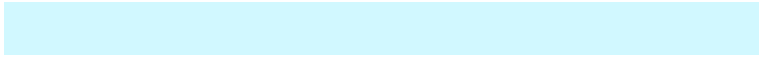
0.0000, 0.0000, 0.0000



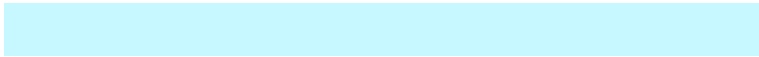
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9137, 0.2851, 0.3217



85.5624, 0.2793, 0.3199



74.6748, 0.2838, 0.2973



19.9846, 0.2980, 0.3253



29.7052, 0.2111, 0.2800



3.0138, 0.2128, 0.2861

Inverse Universe

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



73.6352, 0.3196, 0.2906



68.7452, 0.3213, 0.2819



87.5251, 0.3426, 0.3588



18.2503, 0.3161, 0.3091



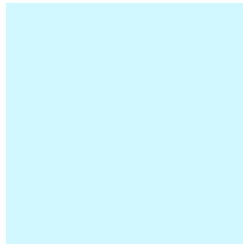
13.7267, 0.3635, 0.1776



1.3488, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 87.9101, 0.2851, 0.3217 looks on a white background.

Color Contrast Check

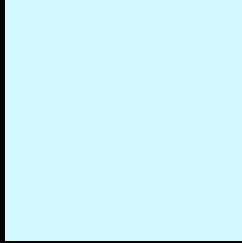
Large Text (above 18pt) WCAG AA × Fail

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 87.9101, 0.2851, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

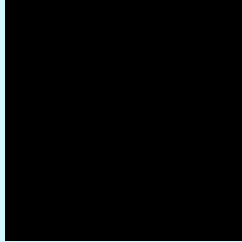
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.9101, 0.2851, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 87.9101, 0.2851, 0.3217.

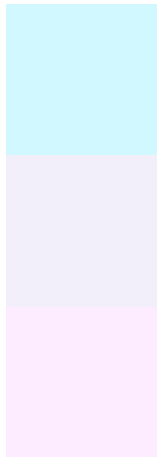


This preview shows how white text looks on a background with the Yxy color 87.9101, 0.2851, 0.3217.

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

87.9101, 0.2851, 0.3217

Protanopia

87.5124, 0.3080, 0.3181

Deuteranopia

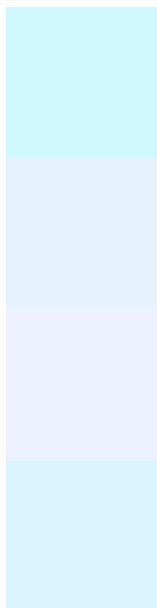
87.5193, 0.3123, 0.3097



Tritanopia

87.9289, 0.2944, 0.3178

Trichromacy



Original Color

87.9101, 0.2851, 0.3217

Protanomaly

87.3555, 0.2992, 0.3189

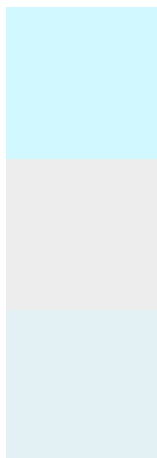
Deuteranomaly

87.5447, 0.3018, 0.3141

Tritanomaly

87.5849, 0.2908, 0.3187

Monochromacy



Original Color

87.9101, 0.2851, 0.3217

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.7731, 0.3019, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9101, 0.2851, 0.3217 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(209, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 248, 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(209, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.9101, 0.2851, 0.3217 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(209, 248, 255) }
```

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

```
.border{ border-color:rgb(209, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9101, 0.2851, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 248, 255) }
```

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

```
.background{ background-color: rgb(209,  
248, 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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