

Converting Colors

$Yxy(87.7191, 0.2930, 0.3248)$

Have a look what the booklet for
Yxy(87.7191, 0.2930, 0.3248)
contains.

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Color

Yxy(87.7191, 0.2930, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	DAF6FA
RGB	218, 246, 250
RGB Percent	85%, 96%, 98%
CMY	0.1450, 0.0353, 0.0195
CMYK	0.13, 0.02, 0.00, 0.02
HSL	188°, 76%, 92%
HSV	188°, 13%, 98%
XYZ	79.1308, 87.7191, 103.2212
YIQ	238.0840, -17.9720, -4.6920

Conversions

Conversions Part 2

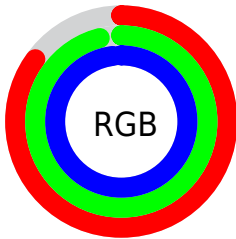
Format	Color
R _Y B	218, 233, 250
Decimal	14350074
CIE Lab	95.04, -8.26, -5.02
CIE LCh	95, 9.667, 211.277
Yxy	87.7191, 0.2930, 0.3248
Android (android.graphics.Color)	4292540154 (0xFFDAF6FA)
YUV	238.0840, 5.8746, -17.6137
Hunter-Lab	93.6585, -13.0900, 0.2173

Details

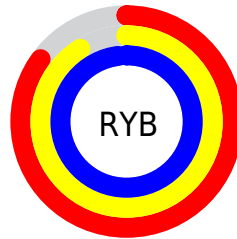
The Yxy color **87.7191, 0.2930, 0.3248** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.6565, 0.3356, 0.3332**, and the grayscale version is **85.5379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5085, 0.2886, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **82.2576, 0.2783, 0.3212**, and if you desaturate by 10%, it is **93.8017, 0.3083, 0.3281**.

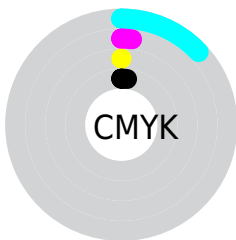
Distribution



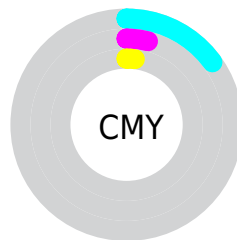
- Red (85%)
- Green (96%)
- Blue (98%)



- Red (85%)
- Yellow (91%)
- Blue (98%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)





- Cyan (15%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7191, 0.2930, 0.3248 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 87.7191, 0.2930, 0.3248 by changing the saturation by 10% instead.

 87.7191, 0.2930,
0.3248

 87.7191, 0.2930,
0.3248

520.5829, 0.3018,
0.3268

 66.0905, 0.2911,
0.3244


144.1660, 0.2960,
0.3255

 48.3458, 0.2887,
0.3238


179.7531, 0.2972,
0.3257

 34.1008, 0.2858,
0.3231


220.7618, 0.2982,
0.3260

 22.9711, 0.2821,
0.3222

267.5764, 0.2991,
0.3262

 14.5722, 0.2772,
0.3209

320.5815, 0.2999,
0.3263

 8.5197, 0.2704,
0.3192

380.1613, 0.3006,

 4.4292, 0.2605,

0.3265

0.3164

446.7003, 0.3012,
0.3266

■ 1.9165, 0.2446,
0.3115

■ 0.5582, 0.1782,
0.3024

■ 87.7191, 0.2930,
0.3248

■ 87.7191, 0.2930,
0.3248

■ 82.2576, 0.2783,
0.3212

■ 93.8017, 0.3083,
0.3281

■ 77.3802, 0.2644,
0.3173

■ 97.9647, 0.3157,
0.3312

■ 73.0623, 0.2518,
0.3132

■ 99.6836, 0.3156,
0.3338

■ 69.2736, 0.2408,
0.3089

■ 65.9804, 0.2314,
0.3045

■ 63.1450, 0.2240,
0.3000

■ 60.7240, 0.2186,
0.2956

■ 58.6647, 0.2150,
0.2912

■ 57.3500, 0.2133,
0.2880

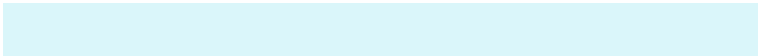
Harmonies

Analogous

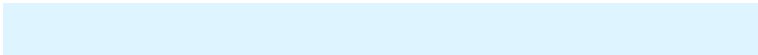
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7191, 0.2994, 0.3348



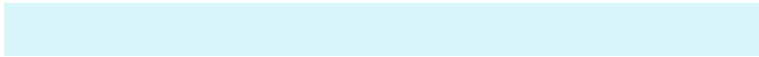
87.7191, 0.2930, 0.3248



87.7191, 0.2918, 0.3162

Triad

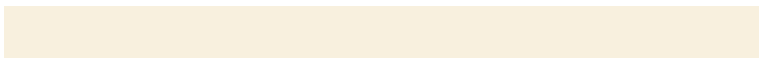
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7191, 0.2930, 0.3248



87.7191, 0.3159, 0.3153



87.7191, 0.3294, 0.3471

Complementary

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



87.7191, 0.2930, 0.3248



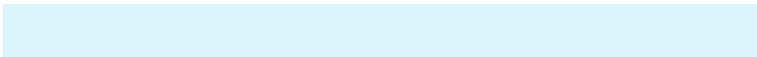
77.6565, 0.3356, 0.3332

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.



87.7191, 0.3341, 0.3414



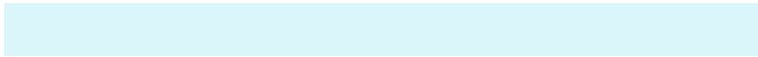
87.7191, 0.2930, 0.3248



87.7191, 0.3261, 0.3232

Square

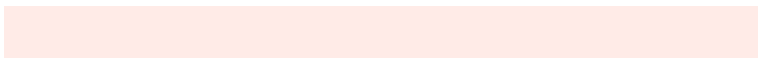
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7191, 0.2930, 0.3248



87.7191, 0.3049, 0.3109



87.7191, 0.3329, 0.3327



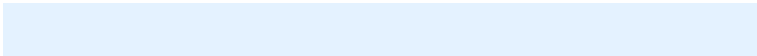
87.7191, 0.3203, 0.3479

Rectangle

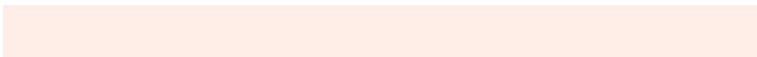
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



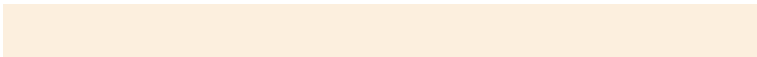
87.7191, 0.2930, 0.3248



87.7191, 0.2941, 0.3123



87.7191, 0.3329, 0.3327



87.7191, 0.3316, 0.3457

Sweetspot

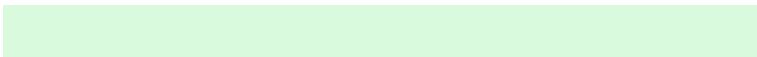
The Sweet Spot groups the original color and five complimentary colors.



87.7228, 0.2930, 0.3248



97.3009, 0.3065, 0.3277



88.5547, 0.3090, 0.3588



20.7203, 0.3053, 0.3275



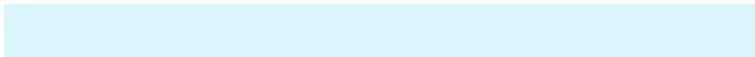
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



87.7228, 0.2930, 0.3248



90.4230, 0.2897, 0.3240



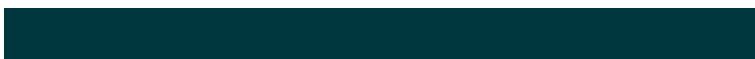
78.5653, 0.2926, 0.3083



19.2142, 0.2980, 0.3259



30.5613, 0.2135, 0.2887



2.9315, 0.2150, 0.2940

Inverse Universe

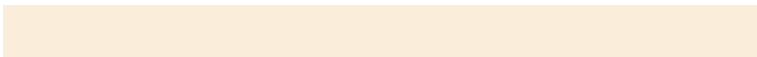
The Inverse Universe completely reimagines the original color for something new.



77.1344, 0.3169, 0.3012



77.6710, 0.3177, 0.2963



86.3976, 0.3335, 0.3489



17.4848, 0.3157, 0.3085



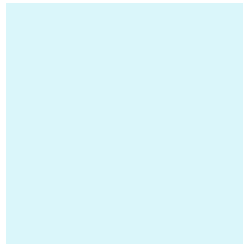
13.4961, 0.3555, 0.1732



1.2602, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 87.7191, 0.2930, 0.3248 looks on a white background.

Color Contrast Check

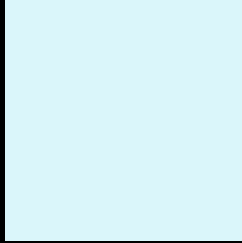
Large Text (above 18pt) WCAG AA × Fail

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 87.7191, 0.2930, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

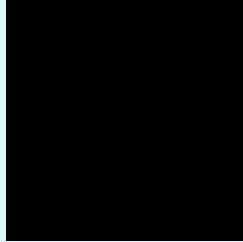
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

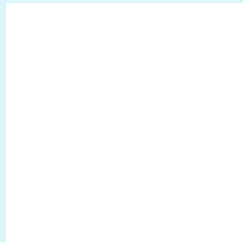
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7191, 0.2930, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 87.7191, 0.2930, 0.3248.

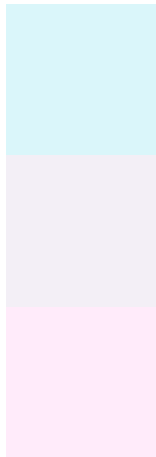


This preview shows how white text looks on a background with the Yxy color 87.7191, 0.2930, 0.3248.

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

87.7191, 0.2930, 0.3248

Protanopia

87.4415, 0.3111, 0.3220

Deuteranopia

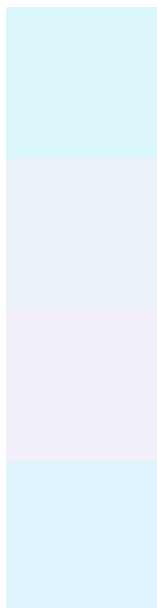
87.5788, 0.3167, 0.3145



Tritanopia

87.8152, 0.2962, 0.3169

Trichromacy



Original Color

87.7191, 0.2930, 0.3248

Protanomaly

87.7121, 0.3046, 0.3239

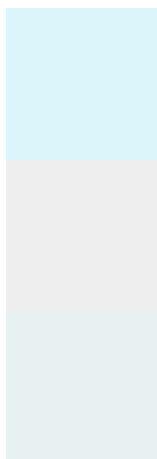
Deuteranomaly

87.5124, 0.3080, 0.3181

Tritanomaly

87.6405, 0.2949, 0.3198

Monochromacy



Original Color

87.7191, 0.2930, 0.3248

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.3103, 0.3056, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7191, 0.2930, 0.3248 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(218, 246, 250)` looks like.

```
.text, #text, p{  
    color:rgb(218, 246, 250)  
}
```

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(218, 246, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 246, 250) }
```

Border

The CSS property to change the border of an element to Yxy 87.7191, 0.2930, 0.3248 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(218, 246, 250) }
```

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

```
.border{ border-color:rgb(218, 246, 250) }
```

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

Here you see how a box with a 4 pixel rgb(218, 246, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 246, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 246, 250);  
box-shadow:4px 4px 4px 4px rgb(218, 246,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7191, 0.2930, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 246, 250) }
```

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

```
.background{ background-color: rgb(218,  
246, 250) }
```

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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