

Converting Colors

$Yxy(87.6425, 0.2945, 0.3206)$

Have a look what the booklet for
Yxy(87.6425, 0.2945, 0.3206)
contains.

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Color

Yxy(87.4812, 0.2943, 0.3198)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DFF4FD |
| RGB | 223, 244, 253 |
| RGB Percent | 87%, 96%, 99% |
| CMY | 0.1256, 0.0431, 0.0079 |
| CMYK | 0.12, 0.04, 0.00, 0.01 |
| HSL | 198°, 88%, 93% |
| HSV | 198°, 12%, 99% |
| XYZ | 80.5057, 87.4812, 105.5628 |
| YIQ | 238.7470, -15.4050, -1.6530 |

Conversions

Conversions Part 2

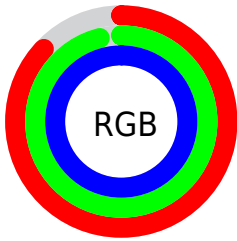
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 223, 235, 253 |
| Decimal | 14677245 |
| CIE Lab | 94.94, -5.12, -6.67 |
| CIE LCh | 95, 8.406, 232.473 |
| Yxy | 87.4812, 0.2943, 0.3198 |
| Android (android.graphics.Color) | 4292867325 (0xFFDFF4FD) |
| YUV | 238.7470, 7.0267, -13.8101 |
| Hunter-Lab | 93.5314, -10.0388, -1.4448 |

Details

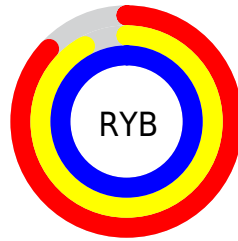
The Yxy color **87.4812, 0.2943, 0.3198** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.8992, 0.3331, 0.3380**, and the grayscale version is **86.0625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2768, 0.2909, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **79.2995, 0.2788, 0.3112**, and if you desaturate by 10%, it is **96.4577, 0.3098, 0.3276**.

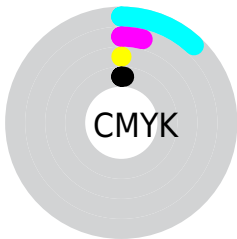
Distribution



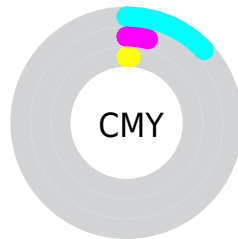
- Red (87%)
- Green (96%)
- Blue (99%)



- Red (87%)
- Yellow (92%)
- Blue (99%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4812, 0.2943, 0.3198 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 87.4812, 0.2943, 0.3198 by changing the saturation by 10% instead.

87.4812, 0.2943,
0.3198

87.4812, 0.2943,
0.3198

519.8028, 0.3025,
0.3240

65.8935, 0.2925,
0.3189

143.8347, 0.2971,
0.3212

48.1859, 0.2903,
0.3177

179.3692, 0.2982,
0.3218

33.9742, 0.2876,
0.3163

220.3215, 0.2991,
0.3223

22.8738, 0.2841,
0.3144

267.0759, 0.3000,
0.3227

14.5003, 0.2795,
0.3120

320.0169, 0.3007,
0.3231

8.4695, 0.2732,
0.3085

379.5287, 0.3014,

4.3968, 0.2639,

0.3234

0.3033

445.9959, 0.3020,
0.3237

■ 1.8979, 0.2489,
0.2945

■ 0.5471, 0.1968,
0.2726

■ 87.4812, 0.2943,
0.3198

■ 87.4812, 0.2943,
0.3198

■ 79.2995, 0.2788,
0.3112

■ 96.4577, 0.3098,
0.3276

■ 71.8729, 0.2637,
0.3018

99.8713, 0.3139,
0.3309

■ 65.1743, 0.2493,
0.2917

■ 59.1703, 0.2360,
0.2810

■ 53.8247, 0.2241,
0.2698

■ 49.0967, 0.2140,
0.2584

■ 44.9401, 0.2059,
0.2469

■ 41.2994, 0.1999,
0.2355

■ 38.6503, 0.1962,
0.2263

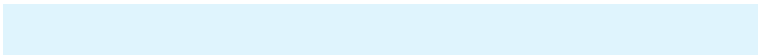
Harmonies

Analogous

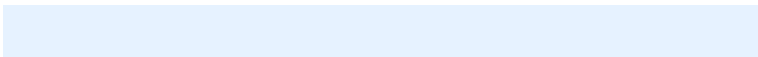
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4812, 0.2967, 0.3279



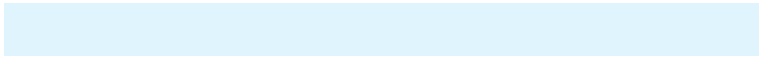
87.4812, 0.2943, 0.3198



87.4812, 0.2967, 0.3143

Triad

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



87.4812, 0.2943, 0.3198



87.4812, 0.3220, 0.3217



87.4812, 0.3220, 0.3457

Complementary

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



87.4812, 0.2943, 0.3198



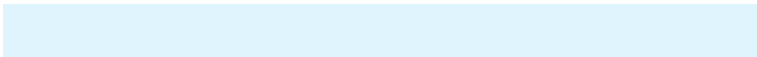
83.8992, 0.3331, 0.3380

Split Complementary

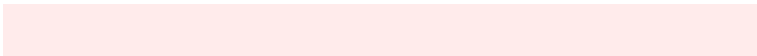
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4812, 0.3289, 0.3437



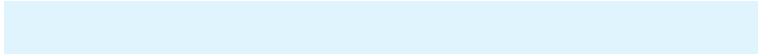
87.4812, 0.2943, 0.3198



87.4812, 0.3290, 0.3298

Square

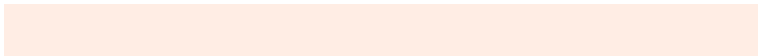
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



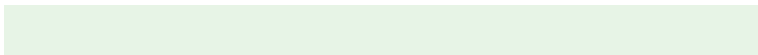
87.4812, 0.2943, 0.3198



87.4812, 0.3126, 0.3155



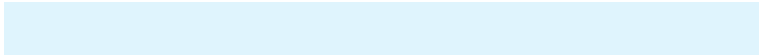
87.4812, 0.3315, 0.3378



87.4812, 0.3126, 0.3431

Rectangle

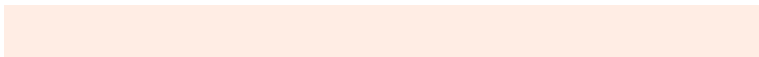
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4812, 0.2943, 0.3198



87.4812, 0.3008, 0.3128



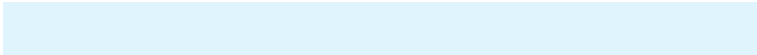
87.4812, 0.3315, 0.3378



87.4812, 0.3247, 0.3455

Sweetspot

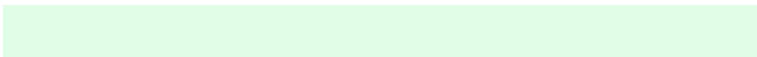
The Sweet Spot groups the original color and five complimentary colors.



87.4849, 0.2943, 0.3198



96.1846, 0.3065, 0.3260



91.7274, 0.3064, 0.3512



20.4370, 0.3054, 0.3255



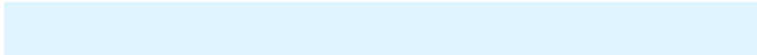
0.0000, 0.0000, 0.0000



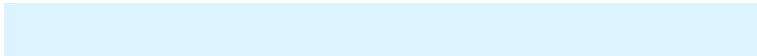
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4849, 0.2943, 0.3198



87.2193, 0.2910, 0.3180



79.0829, 0.2940, 0.3047



19.5097, 0.2980, 0.3217



20.8291, 0.1967, 0.2281



2.2193, 0.2003, 0.2410

Inverse Universe

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



80.1788, 0.3200, 0.3083



78.6307, 0.3214, 0.3044



92.4176, 0.3313, 0.3522



18.2023, 0.3184, 0.3125



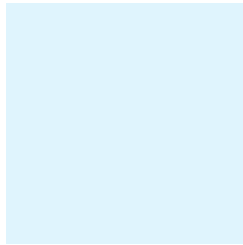
12.8307, 0.4146, 0.2057



1.2686, 0.4013, 0.1984

Previews

White Background



This preview shows how the Yxy color 87.4812, 0.2943, 0.3198 looks on a white background.

Color Contrast Check

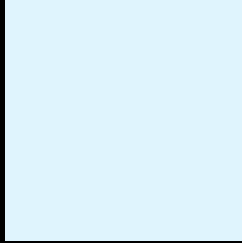
Large Text (above 18pt) WCAG AA × Fail

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 87.4812, 0.2943, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

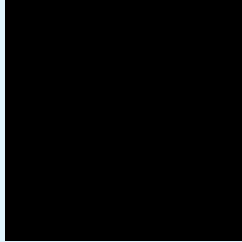
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

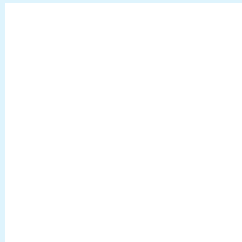
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4812, 0.2943, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 87.4812, 0.2943, 0.3198.

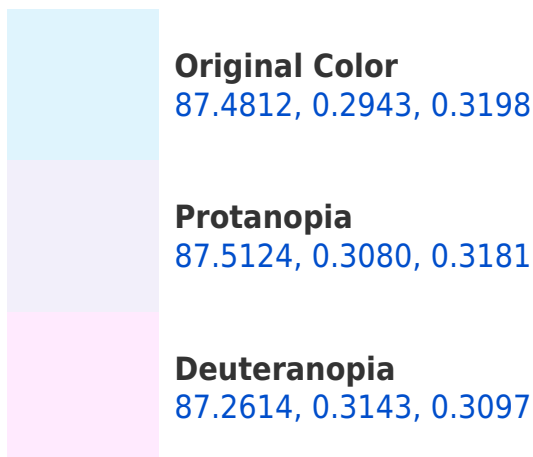


This preview shows how white text looks on a background with the Yxy color 87.4812, 0.2943, 0.3198.

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

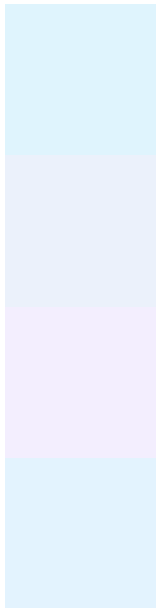




Tritanopia

87.5473, 0.2974, 0.3159

Trichromacy



Original Color

87.4812, 0.2943, 0.3198

Protanomaly

87.5378, 0.3029, 0.3190

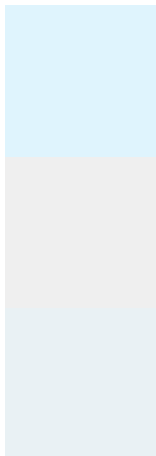
Deuteranomaly

87.3595, 0.3063, 0.3132

Tritanomaly

87.5878, 0.2962, 0.3178

Monochromacy



Original Color

87.4812, 0.2943, 0.3198

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.7659, 0.3057, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4812, 0.2943, 0.3198 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(223, 244, 253)` looks like.

```
.text, #text, p{  
    color:rgb(223, 244, 253)  
}
```

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(223, 244, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 244, 253) }
```

Border

The CSS property to change the border of an element to Yxy 87.4812, 0.2943, 0.3198 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(223, 244, 253) }
```

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

```
.border{ border-color:rgb(223, 244, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 244, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 244, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 244, 253);  
box-shadow:4px 4px 4px 4px rgb(223, 244,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4812, 0.2943, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 244, 253) }
```

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

```
.background{ background-color: rgb(223,  
244, 253) }
```

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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