

Converting Colors

$Yxy(87.6736, 0.2910, 0.3188)$

Have a look what the booklet for
Yxy(87.6736, 0.2910, 0.3188)
contains.

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Color

Yxy(87.5849, 0.2908, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	DBF5FF
RGB	219, 245, 255
RGB Percent	86%, 96%, 100%
CMY	0.1412, 0.0392, 0.0000
CMYK	0.14, 0.04, 0.00, 0.00
HSL	197°, 100%, 93%
HSV	197°, 14%, 100%
XYZ	79.9174, 87.5849, 107.3169
YIQ	238.3660, -18.7060, -2.4020

Conversions

Conversions Part 2

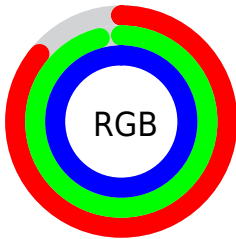
Format	Color
R_{YB}	219, 234, 255
Decimal	14415359
CIE _{Lab}	94.99, -6.46, -7.68
CIE _{LCh}	95, 10.040, 229.917
Y _{xy}	87.5849, 0.2908, 0.3187
Android (android.graphics.Color)	4292605439 (0xFFDBF5FF)
YUV	238.3660, 8.2006, -16.9840
Hunter-Lab	93.5868, -11.3488, -2.4777

Details

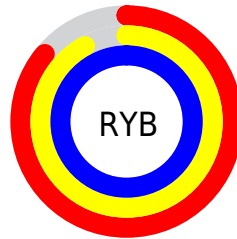
The Yxy color **87.5849, 0.2908, 0.3187** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.4101, 0.3376, 0.3391**, and the grayscale version is **85.7455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3649, 0.2865, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **79.7280, 0.2755, 0.3106**, and if you desaturate by 10%, it is **96.2162, 0.3063, 0.3262**.

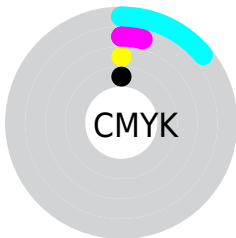
Distribution



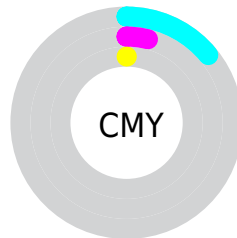
- Red (86%)
- Green (96%)
- Blue (100%)



- Red (86%)
- Yellow (92%)
- Blue (100%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5849, 0.2908, 0.3187 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 87.5849, 0.2908, 0.3187 by changing the saturation by 10% instead.

87.5849, 0.2908,
0.3187

87.5849, 0.2908,
0.3187

520.1429, 0.3005,
0.3234

65.9793, 0.2887,
0.3176

143.9791, 0.2941,
0.3203

48.2556, 0.2861,
0.3164

179.5366, 0.2954,
0.3209

34.0294, 0.2828,
0.3147

220.5134, 0.2966,
0.3215

22.9162, 0.2787,
0.3126

267.2941, 0.2975,
0.3220

14.5316, 0.2733,
0.3098

320.2630, 0.2984,
0.3224

8.4913, 0.2658,
0.3059

379.8045, 0.2992,

4.4109, 0.2549,

0.3228

0.3000

446.3030, 0.2999,
0.3231

■ 1.9060, 0.2375,
0.2900

■ 0.5520, 0.1774,
0.2670

■ 87.5849, 0.2908,
0.3187

■ 87.5849, 0.2908,
0.3187

■ 79.7280, 0.2755,
0.3106

■ 96.2162, 0.3063,
0.3262

■ 72.6092, 0.2607,
0.3017

100.0000, 0.3127,
0.3290

■ 66.1994, 0.2467,
0.2922

■ 60.4646, 0.2340,
0.2823

■ 55.3672, 0.2228,
0.2719

■ 50.8653, 0.2134,
0.2613

■ 46.9103, 0.2061,
0.2507

■ 43.4433, 0.2008,
0.2402

■ 41.5835, 0.1984,
0.2342

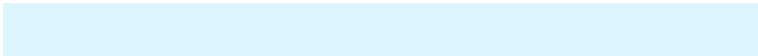
Harmonies

Analogous

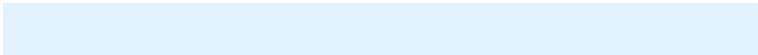
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5849, 0.2942, 0.3286



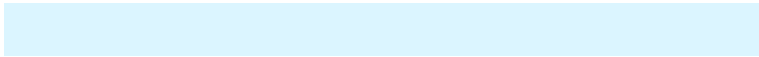
87.5849, 0.2908, 0.3187



87.5849, 0.2932, 0.3119

Triad

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



87.5849, 0.2908, 0.3187



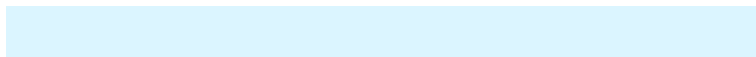
87.5849, 0.3229, 0.3195



87.5849, 0.3246, 0.3489

Complementary

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



87.5849, 0.2908, 0.3187



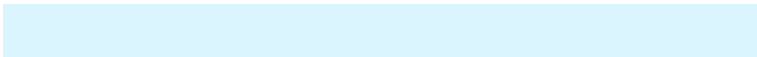
82.4101, 0.3376, 0.3391

Split Complementary

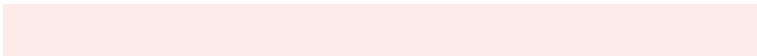
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5849, 0.3326, 0.3461



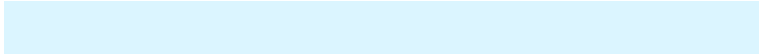
87.5849, 0.2908, 0.3187



87.5849, 0.3316, 0.3290

Square

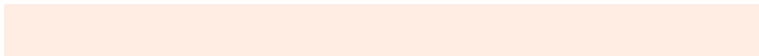
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



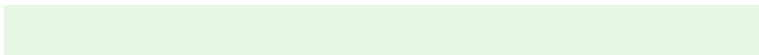
87.5849, 0.2908, 0.3187



87.5849, 0.3116, 0.3125



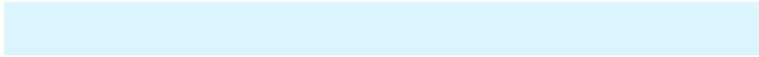
87.5849, 0.3352, 0.3387



87.5849, 0.3136, 0.3463

Rectangle

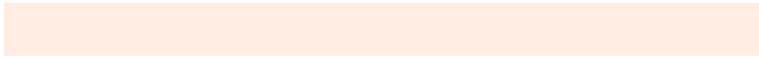
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5849, 0.2908, 0.3187



87.5849, 0.2977, 0.3099



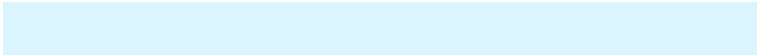
87.5849, 0.3352, 0.3387



87.5849, 0.3277, 0.3486

Sweetspot

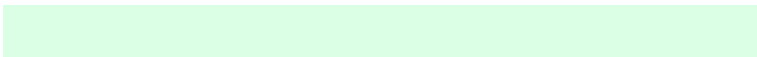
The Sweet Spot groups the original color and five complimentary colors.



87.5872, 0.2908, 0.3187



96.3229, 0.3065, 0.3262



92.2147, 0.3056, 0.3564



20.4721, 0.3053, 0.3257



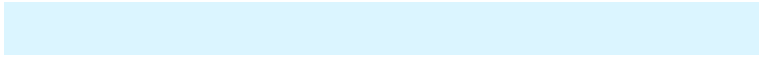
0.0000, 0.0000, 0.0000



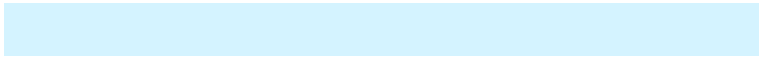
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5872, 0.2908, 0.3187



85.2446, 0.2864, 0.3164



77.4366, 0.2902, 0.3003



19.5785, 0.2980, 0.3222



21.9923, 0.1989, 0.2359



2.3252, 0.2022, 0.2478

Inverse Universe

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



78.5153, 0.3210, 0.3035



74.6410, 0.3229, 0.2981



92.6514, 0.3351, 0.3562



18.2093, 0.3181, 0.3120



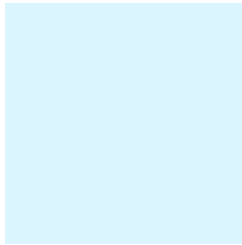
12.9481, 0.4065, 0.2013



1.2793, 0.3945, 0.1947

Previews

White Background



This preview shows how the Yxy color 87.5849, 0.2908, 0.3187 looks on a white background.

Color Contrast Check

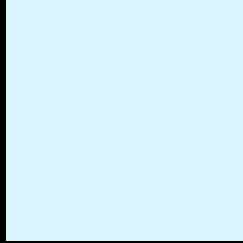
Large Text (above 18pt) WCAG AA × Fail

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 87.5849, 0.2908, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

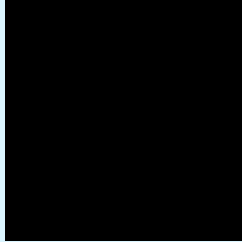
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

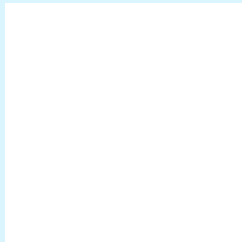
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5849, 0.2908, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 87.5849, 0.2908, 0.3187.



This preview shows how white text looks on a background with the Yxy color 87.5849, 0.2908, 0.3187.

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

87.5849, 0.2908, 0.3187

Protanopia

87.3988, 0.3068, 0.3171

Deuteranopia

87.1365, 0.3130, 0.3087



Tritanopia

87.2182, 0.2962, 0.3158

Trichromacy



Original Color

87.5849, 0.2908, 0.3187

Protanomaly

87.2625, 0.3010, 0.3179

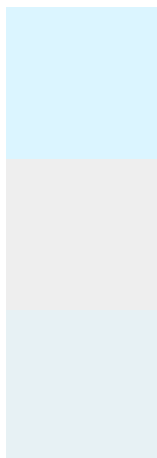
Deuteranomaly

87.0698, 0.3044, 0.3122

Tritanomaly

87.3287, 0.2944, 0.3168

Monochromacy



Original Color

87.5849, 0.2908, 0.3187

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.4312, 0.3045, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5849, 0.2908, 0.3187 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(219, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 245, 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(219, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.5849, 0.2908, 0.3187 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(219, 245, 255) }
```

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

```
.border{ border-color:rgb(219, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5849, 0.2908, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 245, 255) }
```

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

```
.background{ background-color: rgb(219,  
245, 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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