

Converting Colors

$Yxy(89.1950, 0.2911, 0.3214)$

Have a look what the booklet for
Yxy(89.1950, 0.2911, 0.3214)
contains.

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Color

Yxy(89.4149, 0.2909, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	DBF8FF
RGB	219, 248, 255
RGB Percent	86%, 97%, 100%
CMY	0.1412, 0.0274, 0.0000
CMYK	0.14, 0.03, 0.00, 0.00
HSL	192°, 100%, 93%
HSV	192°, 14%, 100%
XYZ	80.8291, 89.4149, 107.6146
YIQ	240.1270, -19.5310, -3.9710

Conversions

Conversions Part 2

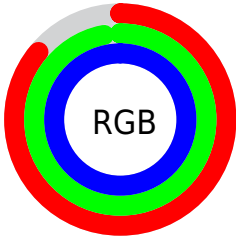
Format	Color
R_{YB}	219, 235, 255
Decimal	14416127
CIE _{Lab}	95.75, -7.99, -6.54
CIE _{LCh}	96, 10.323, 219.324
Yxy	89.4149, 0.2909, 0.3218
Android (android.graphics.Color)	4292606207 (0xFFDBF8FF)
YUV	240.1270, 7.3324, -18.5284
Hunter-Lab	94.5595, -12.8979, -1.2842

Details

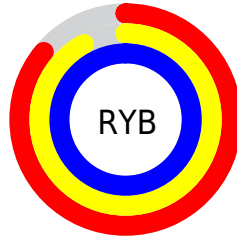
The Yxy color **89.4149, 0.2909, 0.3218** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.7563, 0.3380, 0.3361**, and the grayscale version is **87.1953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6690, 0.2867, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **82.7567, 0.2760, 0.3161**, and if you desaturate by 10%, it is **96.7654, 0.3063, 0.3270**.

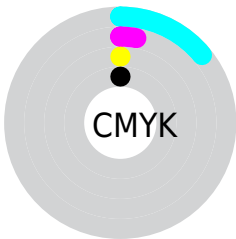
Distribution



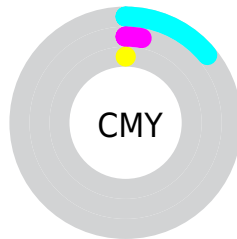
- Red (86%)
- Green (97%)
- Blue (100%)



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



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4149, 0.2909, 0.3218 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 89.4149, 0.2909, 0.3218 by changing the saturation by 10% instead.

89.4149, 0.2909,
0.3218

89.4149, 0.2909,
0.3218

526.1257, 0.3006,
0.3251

67.4955, 0.2888,
0.3211

146.5254, 0.2942,
0.3229

49.4874, 0.2862,
0.3201

182.4853, 0.2955,
0.3234

35.0063, 0.2830,
0.3190

223.8940, 0.2966,
0.3238

23.6677, 0.2790,
0.3175

271.1361, 0.2976,
0.3241

15.0873, 0.2737,
0.3155

324.5960, 0.2985,
0.3244

8.8807, 0.2664,
0.3127

384.6579, 0.2992,

4.6634, 0.2558,

0.3247

0.3084

451.7064, 0.2999,
0.3249

■ 2.0512, 0.2390,
0.3011

■ 0.6370, 0.1857,
0.2881

■ 89.4149, 0.2909,
0.3218

■ 89.4149, 0.2909,
0.3218

■ 82.7567, 0.2760,
0.3161

■ 96.7654, 0.3063,
0.3270

■ 76.7538, 0.2618,
0.3100

100.0000, 0.3127,
0.3290

■ 71.3790, 0.2487,
0.3035

■ 66.5993, 0.2370,
0.2967

■ 62.3786, 0.2270,
0.2897

■ 58.6762, 0.2188,
0.2826

■ 55.4449, 0.2127,
0.2754

■ 52.6270, 0.2085,
0.2683

■ 51.1158, 0.2067,
0.2642

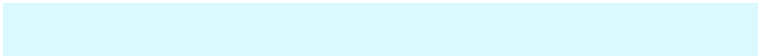
Harmonies

Analogous

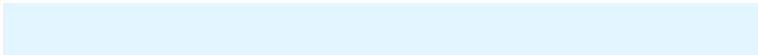
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4149, 0.2963, 0.3324



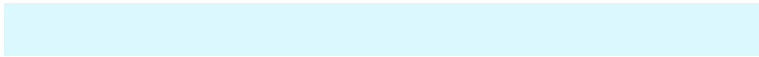
89.4149, 0.2909, 0.3218



89.4149, 0.2912, 0.3135

Triad

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



89.4149, 0.2909, 0.3218



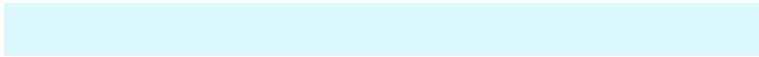
89.4149, 0.3192, 0.3164



89.4149, 0.3282, 0.3490

Complementary

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



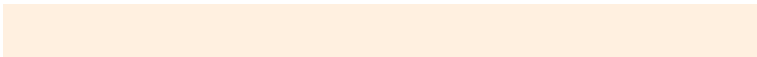
89.4149, 0.2909, 0.3218



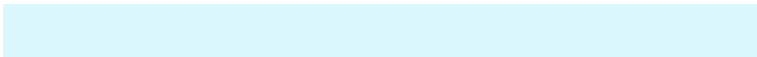
80.7563, 0.3380, 0.3361

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.



89.4149, 0.3346, 0.3442



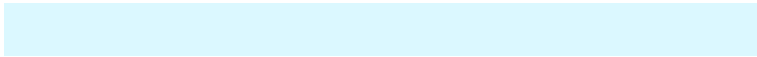
89.4149, 0.2909, 0.3218



89.4149, 0.3294, 0.3254

Square

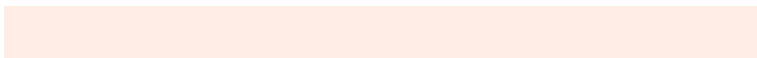
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4149, 0.2909, 0.3218



89.4149, 0.3074, 0.3106



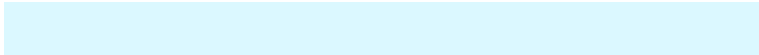
89.4149, 0.3351, 0.3356



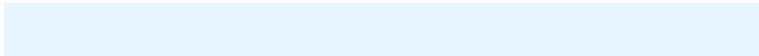
89.4149, 0.3177, 0.3483

Rectangle

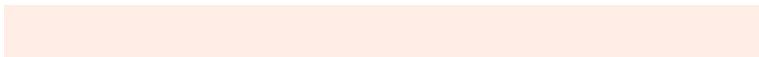
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



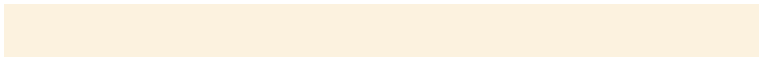
89.4149, 0.2909, 0.3218



89.4149, 0.2947, 0.3103



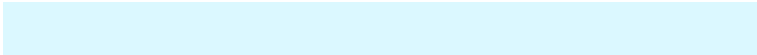
89.4149, 0.3351, 0.3356



89.4149, 0.3309, 0.3479

Sweetspot

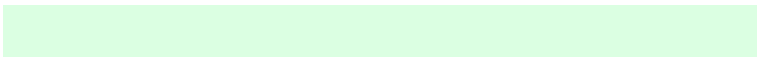
The Sweet Spot groups the original color and five complimentary colors.



89.4179, 0.2909, 0.3218



96.8594, 0.3065, 0.3271



92.0469, 0.3072, 0.3596



20.6082, 0.3053, 0.3267



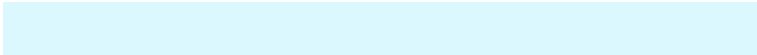
0.0000, 0.0000, 0.0000



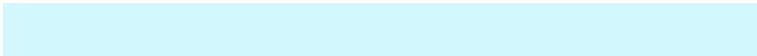
21.4041, 0.3127, 0.3290

Same Dimension

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



89.4179, 0.2909, 0.3218



87.4317, 0.2865, 0.3202



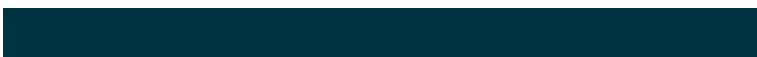
79.0906, 0.2903, 0.3034



19.8467, 0.2980, 0.3243



26.9218, 0.2071, 0.2654



2.7676, 0.2093, 0.2734

Inverse Universe

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



78.6950, 0.3190, 0.3006



74.8618, 0.3204, 0.2946



90.8327, 0.3355, 0.3533



18.2363, 0.3168, 0.3101



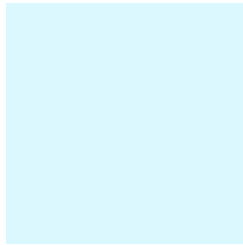
13.4457, 0.3772, 0.1852



1.3239, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 89.4149, 0.2909, 0.3218 looks on a white background.

Color Contrast Check

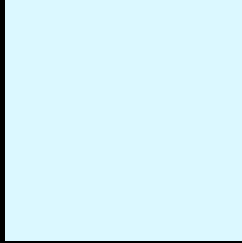
Large Text (above 18pt) WCAG AA × Fail

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 89.4149, 0.2909, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

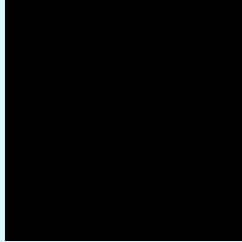
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

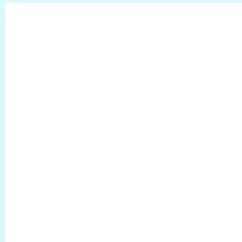
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4149, 0.2909, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 89.4149, 0.2909, 0.3218.

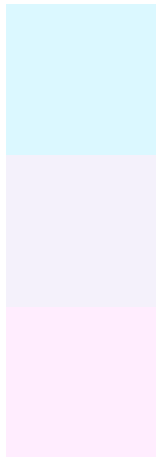


This preview shows how white text looks on a background with the Yxy color 89.4149, 0.2909, 0.3218.

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

89.4149, 0.2909, 0.3218

Protanopia

89.1087, 0.3086, 0.3191

Deuteranopia

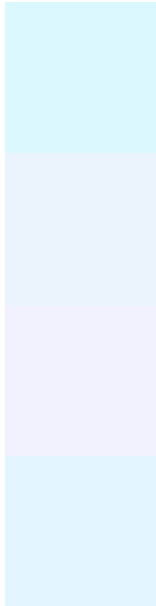
88.9841, 0.3141, 0.3126



Tritanopia

89.0772, 0.2987, 0.3180

Trichromacy



Original Color

89.4149, 0.2909, 0.3218

Protanomaly

89.3918, 0.3023, 0.3210

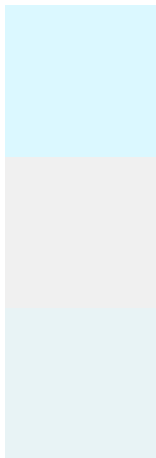
Deuteranomaly

88.9436, 0.3056, 0.3162

Tritanomaly

88.8557, 0.2956, 0.3189

Monochromacy



Original Color

89.4149, 0.2909, 0.3218

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.8496, 0.3045, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4149, 0.2909, 0.3218 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.4149, 0.2909, 0.3218 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, 248, 255) }
```

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

```
.border{ border-color:rgb(219, 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(219, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4149, 0.2909, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 248, 255) }
```

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

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