

Converting Colors

$Yxy(90.3085, 0.2881, 0.3130)$

Have a look what the booklet for
Yxy(90.3085, 0.2881, 0.3130)
contains.

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Color

Yxy(89.8844, 0.2927, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	DEF8FF
RGB	222, 248, 255
RGB Percent	87%, 97%, 100%
CMY	0.1292, 0.0275, 0.0000
CMYK	0.13, 0.03, 0.00, 0.00
HSL	193°, 100%, 94%
HSV	193°, 13%, 100%
XYZ	81.7563, 89.8844, 107.6769
YIQ	241.0240, -17.7430, -3.3350

Conversions

Conversions Part 2

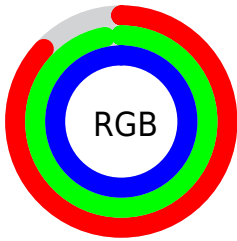
Format	Color
R _Y B	222, 237, 255
Decimal	14612735
CIE Lab	95.95, -7.02, -6.24
CIE LCh	96, 9.397, 221.638
Yxy	89.8844, 0.2927, 0.3218
Android (android.graphics.Color)	4292802815 (0xFFDEF8FF)
YUV	241.0240, 6.8902, -16.6840
Hunter-Lab	94.8074, -11.9851, -0.9731

Details

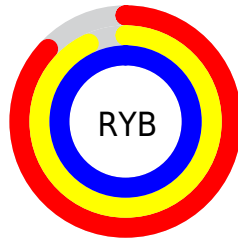
The Yxy color **89.8844, 0.2927, 0.3218** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.6068, 0.3355, 0.3361**, and the grayscale version is **87.9444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9920, 0.2889, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **82.8708, 0.2776, 0.3157**, and if you desaturate by 10%, it is **97.6065, 0.3082, 0.3275**.

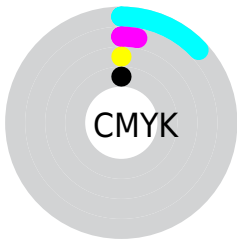
Distribution



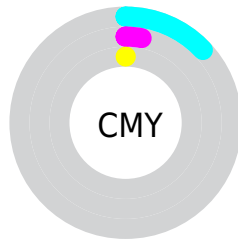
- Red (87%)
- Green (97%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8844, 0.2927, 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 89.8844, 0.2927, 0.3218 by changing the saturation by 10% instead.

 89.8844, 0.2927,
0.3218

 89.8844, 0.2927,
0.3218

527.6547, 0.3016,
0.3251

 67.8848, 0.2908,
0.3211


147.1778, 0.2957,
0.3229

 49.8040, 0.2884,
0.3202


183.2404, 0.2969,
0.3234

 35.2577, 0.2855,
0.3190


224.7594, 0.2979,
0.3238

 23.8614, 0.2818,
0.3176

272.1192, 0.2988,
0.3241

 15.2309, 0.2769,
0.3156

325.7043, 0.2996,
0.3244

 8.9816, 0.2702,
0.3128

385.8989, 0.3003,

 4.7292, 0.2605,

0.3246

0.3087

453.0876, 0.3010,
0.3249

■ 2.0892, 0.2451,
0.3017

■ 0.6586, 0.1994,
0.2889

■ 89.8844, 0.2927,
0.3218

■ 89.8844, 0.2927,
0.3218

■ 82.8708, 0.2776,
0.3157

■ 97.6065, 0.3082,
0.3275

■ 76.5334, 0.2632,
0.3090

100.0000, 0.3127,
0.3290

■ 70.8434, 0.2497,
0.3019

■ 65.7682, 0.2376,
0.2945

■ 61.2718, 0.2272,
0.2867

■ 57.3138, 0.2186,
0.2788

■ 53.8479, 0.2119,
0.2709

■ 50.8178, 0.2073,
0.2631

■ 48.8792, 0.2049,
0.2576

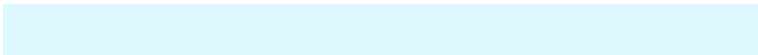
Harmonies

Analogous

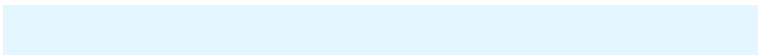
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8844, 0.2972, 0.3313



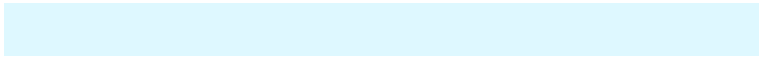
89.8844, 0.2927, 0.3218



89.8844, 0.2934, 0.3145

Triad

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



89.8844, 0.2927, 0.3218



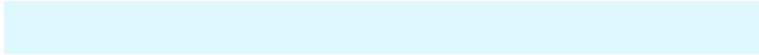
89.8844, 0.3194, 0.3181



89.8844, 0.3262, 0.3473

Complementary

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



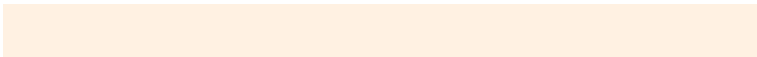
89.8844, 0.2927, 0.3218



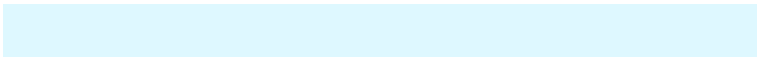
82.6068, 0.3355, 0.3361

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.



89.8844, 0.3323, 0.3433



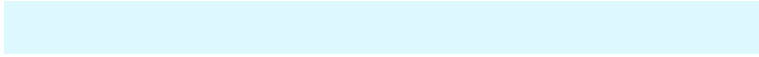
89.8844, 0.2927, 0.3218



89.8844, 0.3284, 0.3265

Square

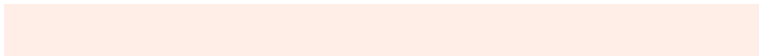
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8844, 0.2927, 0.3218



89.8844, 0.3087, 0.3125



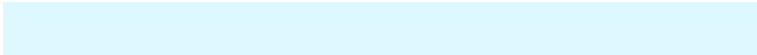
89.8844, 0.3332, 0.3357



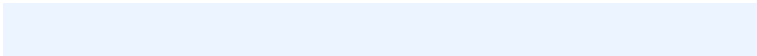
89.8844, 0.3165, 0.3462

Rectangle

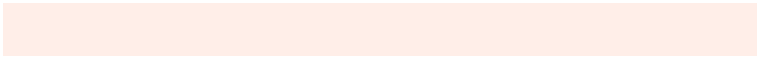
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.8844, 0.2927, 0.3218



89.8844, 0.2968, 0.3117



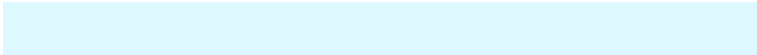
89.8844, 0.3332, 0.3357



89.8844, 0.3287, 0.3465

Sweetspot

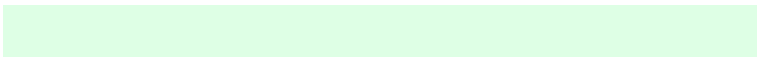
The Sweet Spot groups the original color and five complimentary colors.



89.8858, 0.2927, 0.3218



96.7399, 0.3065, 0.3269



92.6940, 0.3074, 0.3562



20.5779, 0.3053, 0.3265



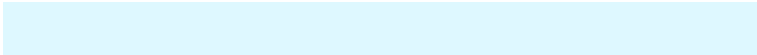
0.0000, 0.0000, 0.0000



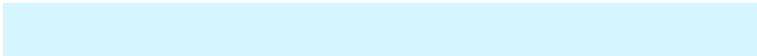
21.4041, 0.3127, 0.3290

Same Dimension

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



89.8858, 0.2927, 0.3218



87.6531, 0.2880, 0.3200



80.4327, 0.2923, 0.3052



19.7868, 0.2980, 0.3238



25.7665, 0.2053, 0.2589



2.6647, 0.2077, 0.2678

Inverse Universe

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



80.3045, 0.3188, 0.3036



76.1280, 0.3204, 0.2974



91.9104, 0.3334, 0.3517



18.2303, 0.3171, 0.3105



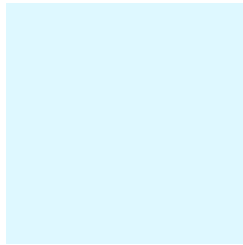
13.3291, 0.3835, 0.1886



1.3135, 0.3749, 0.1839

Previews

White Background



This preview shows how the Yxy color 89.8844, 0.2927, 0.3218 looks on a white background.

Color Contrast Check

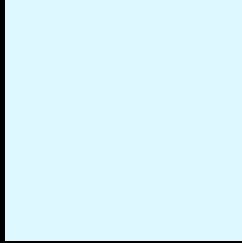
Large Text (above 18pt) WCAG AA × Fail

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 89.8844, 0.2927, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

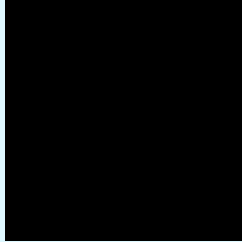
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

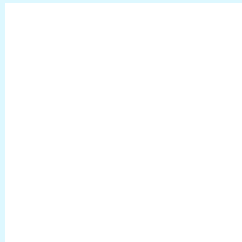
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8844, 0.2927, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 89.8844, 0.2927, 0.3218.

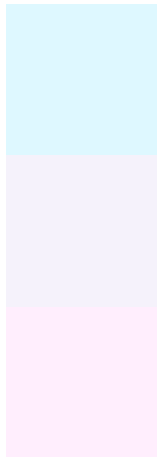


This preview shows how white text looks on a background with the Yxy color 89.8844, 0.2927, 0.3218.

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

89.8844, 0.2927, 0.3218

Protanopia

89.8818, 0.3093, 0.3202

Deuteranopia

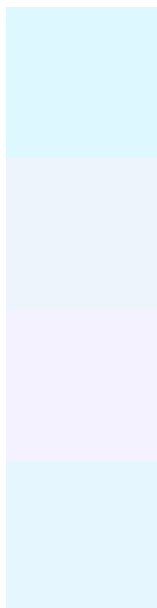
89.5009, 0.3147, 0.3146



Tritanopia

90.0172, 0.2999, 0.3190

Trichromacy



Original Color

89.8844, 0.2927, 0.3218

Protanomaly

89.7342, 0.3035, 0.3210

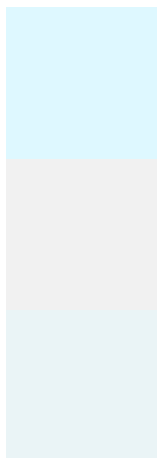
Deuteranomaly

89.7147, 0.3062, 0.3172

Tritanomaly

89.9545, 0.2975, 0.3199

Monochromacy



Original Color

89.8844, 0.2927, 0.3218

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.8476, 0.3051, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8844, 0.2927, 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(222, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.8844, 0.2927, 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(222, 248, 255) }
```

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

```
.border{ border-color:rgb(222, 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(222, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8844, 0.2927, 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(222, 248, 255) }
```

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

```
.background{ background-color: rgb(222,  
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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