

Converting Colors

$Yxy(87.7007, 0.2918, 0.3185)$

Have a look what the booklet for
Yxy(87.7007, 0.2918, 0.3185)
contains.

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Color

Yxy(87.8970, 0.2920, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	DDF5FF
RGB	221, 245, 255
RGB Percent	87%, 96%, 100%
CMY	0.1335, 0.0391, 0.0001
CMYK	0.13, 0.04, 0.00, 0.00
HSL	198°, 100%, 93%
HSV	198°, 13%, 100%
XYZ	80.5079, 87.8970, 107.3071
YIQ	238.9640, -17.5140, -1.9780

Conversions

Conversions Part 2

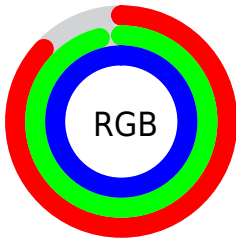
Format	Color
R _Y B	221, 235, 255
Decimal	14546431
CIE Lab	95.12, -5.87, -7.45
CIE LCh	95, 9.485, 231.746
Yxy	87.8970, 0.2920, 0.3188
Android (android.graphics.Color)	4292736511 (0xFFDDDF5FF)
YUV	238.9640, 7.9057, -15.7544
Hunter-Lab	93.7534, -10.7869, -2.2340

Details

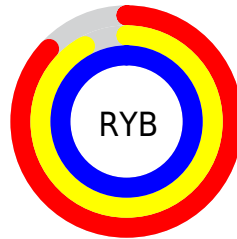
The Yxy color **87.8970, 0.2920, 0.3188** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.5770, 0.3359, 0.3390**, and the grayscale version is **86.2309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5794, 0.2880, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **79.7737, 0.2766, 0.3103**, and if you desaturate by 10%, it is **96.8174, 0.3075, 0.3266**.

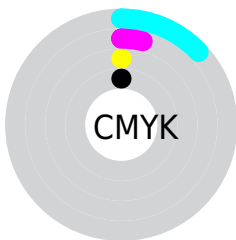
Distribution



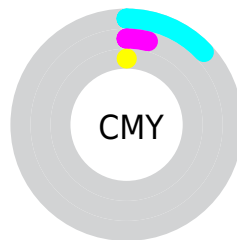
- Red (87%)
- Green (96%)
- Blue (100%)



- Red (87%)
- Yellow (92%)
- Blue (100%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8970, 0.2920, 0.3188 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 87.8970, 0.2920, 0.3188 by changing the saturation by 10% instead.

87.8970, 0.2920,
0.3188

87.8970, 0.2920,
0.3188

521.1659, 0.3012,
0.3234

66.2378, 0.2900,
0.3178

144.4138, 0.2951,
0.3204

48.4654, 0.2875,
0.3165

180.0401, 0.2964,
0.3210

34.1956, 0.2845,
0.3149

221.0909, 0.2974,
0.3216

23.0439, 0.2806,
0.3128

267.9505, 0.2984,
0.3220

14.6259, 0.2755,
0.3101

321.0035, 0.2992,
0.3224

8.5573, 0.2684,
0.3062

380.6341, 0.2999,

4.4536, 0.2581,

0.3228

0.3004

447.2267, 0.3006,
0.3231

■ 1.9304, 0.2416,
0.2908

■ 0.5665, 0.1873,
0.2685

■ 87.8970, 0.2920,
0.3188

■ 87.8970, 0.2920,
0.3188

■ 79.7737, 0.2766,
0.3103

■ 96.8174, 0.3075,
0.3266

■ 72.4072, 0.2616,
0.3010

99.9983, 0.3127,
0.3290

■ 65.7695, 0.2474,
0.2910

■ 59.8264, 0.2344,
0.2805

■ 54.5405, 0.2228,
0.2695

■ 49.8697, 0.2131,
0.2583

■ 45.7659, 0.2054,
0.2471

■ 42.1708, 0.1997,
0.2360

■ 40.0041, 0.1969,
0.2287

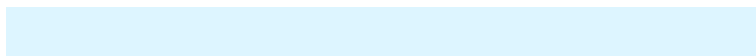
Harmonies

Analogous

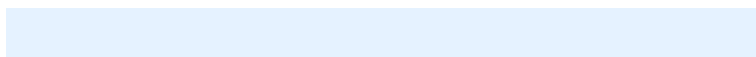
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8970, 0.2949, 0.3280



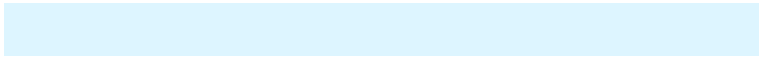
87.8970, 0.2920, 0.3188



87.8970, 0.2946, 0.3126

Triad

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



87.8970, 0.2920, 0.3188



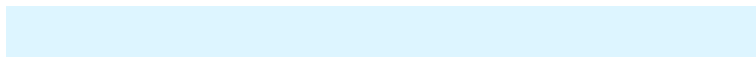
87.8970, 0.3229, 0.3205



87.8970, 0.3234, 0.3478

Complementary

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



87.8970, 0.2920, 0.3188



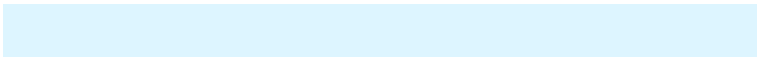
83.5770, 0.3359, 0.3390

Split Complementary

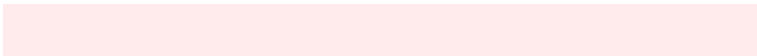
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8970, 0.3311, 0.3454



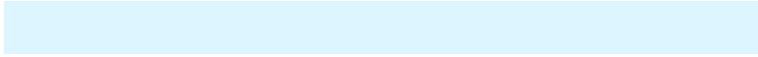
87.8970, 0.2920, 0.3188



87.8970, 0.3309, 0.3296

Square

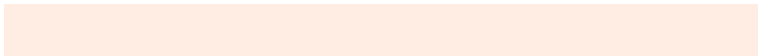
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



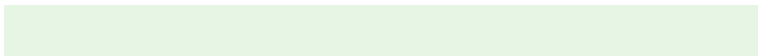
87.8970, 0.2920, 0.3188



87.8970, 0.3123, 0.3137



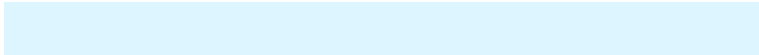
87.8970, 0.3339, 0.3387



87.8970, 0.3129, 0.3450

Rectangle

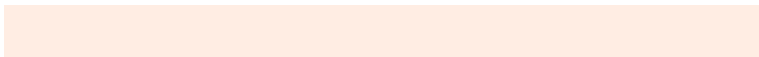
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8970, 0.2920, 0.3188



87.8970, 0.2990, 0.3109



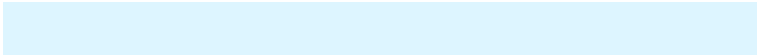
87.8970, 0.3339, 0.3387



87.8970, 0.3264, 0.3476

Sweetspot

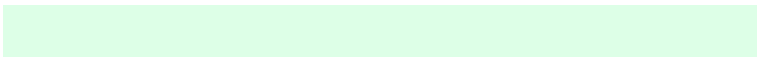
The Sweet Spot groups the original color and five complimentary colors.



87.9007, 0.2920, 0.3188



96.2267, 0.3065, 0.3261



92.6160, 0.3056, 0.3542



20.4477, 0.3054, 0.3255



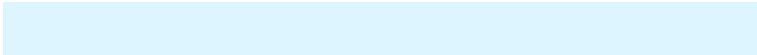
0.0000, 0.0000, 0.0000



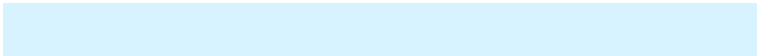
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9007, 0.2920, 0.3188



85.6831, 0.2879, 0.3166



78.2521, 0.2915, 0.3014



19.5307, 0.2980, 0.3219



21.1787, 0.1974, 0.2305



2.2512, 0.2009, 0.2431

Inverse Universe

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



79.5402, 0.3208, 0.3054



75.9291, 0.3227, 0.3005



93.3651, 0.3337, 0.3552



18.2044, 0.3183, 0.3123



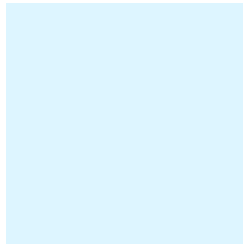
12.8660, 0.4121, 0.2044



1.2718, 0.3992, 0.1973

Previews

White Background



This preview shows how the Yxy color 87.8970, 0.2920, 0.3188 looks on a white background.

Color Contrast Check

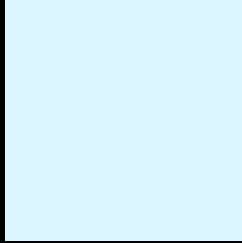
Large Text (above 18pt) WCAG AA × Fail

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 87.8970, 0.2920, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

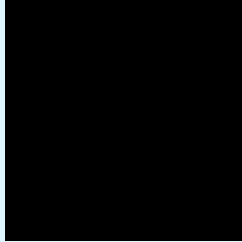
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

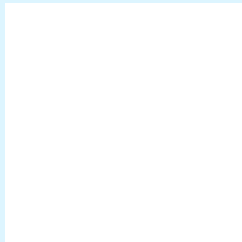
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8970, 0.2920, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 87.8970, 0.2920, 0.3188.

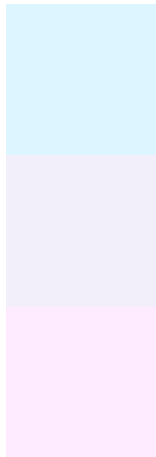


This preview shows how white text looks on a background with the Yxy color 87.8970, 0.2920, 0.3188.

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

87.8970, 0.2920, 0.3188

Protanopia

87.5753, 0.3074, 0.3171

Deuteranopia

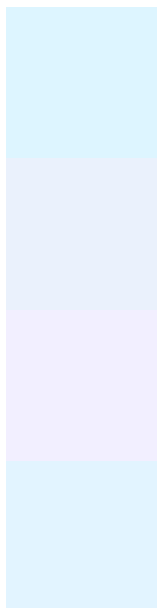
87.7075, 0.3130, 0.3097



Tritanopia

87.9792, 0.2968, 0.3169

Trichromacy



Original Color

87.8970, 0.2920, 0.3188

Protanomaly

87.4313, 0.3017, 0.3179

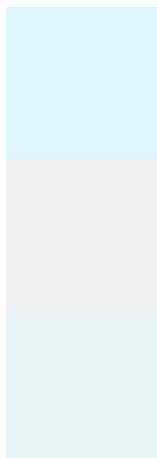
Deuteranomaly

87.8302, 0.3050, 0.3132

Tritanomaly

88.0901, 0.2950, 0.3178

Monochromacy



Original Color

87.8970, 0.2920, 0.3188

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.6590, 0.3045, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8970, 0.2920, 0.3188 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(221, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.8970, 0.2920, 0.3188 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(221, 245, 255) }
```

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

```
.border{ border-color:rgb(221, 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(221, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8970, 0.2920, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 245, 255) }
```

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

```
.background{ background-color: rgb(221,  
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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