

Converting Colors

$Yxy(81.8975, 0.2681, 0.3177)$

Have a look what the booklet for
Yxy(81.8975, 0.2681, 0.3177)
contains.

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Color

Yxy(82.1085, 0.2684, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	B3F5FF
RGB	179, 245, 255
RGB Percent	70%, 96%, 100%
CMY	0.2978, 0.0392, 0.0000
CMYK	0.30, 0.04, 0.00, 0.00
HSL	188°, 100%, 85%
HSV	188°, 30%, 100%
XYZ	69.3016, 82.1085, 106.7927
YIQ	226.4060, -42.5460, -10.8820

Conversions

Conversions Part 2

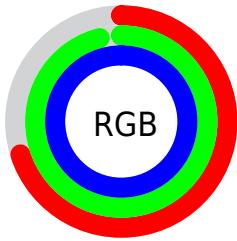
Format	Color
RYB	179, 214, 255
Decimal	11793919
CIELab	92.62, -18.17, -11.43
CIElCh	93, 21.471, 212.169
Yxy	82.1085, 0.2684, 0.3180
Android (android.graphics.Color)	4289983999 (0xFFB3F5FF)
YUV	226.4060, 14.0968, -41.5751
Hunter-Lab	90.6137, -22.0568, -6.4465

Details

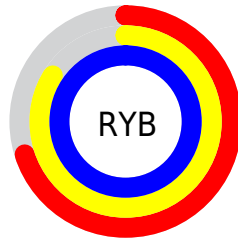
The Yxy color **82.1085, 0.2684, 0.3180** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.9359, 0.3767, 0.3397**, and the grayscale version is **76.2919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **44.7575, 0.2592, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **77.3352, 0.2553, 0.3138**, and if you desaturate by 10%, it is **87.4870, 0.2826, 0.3220**.

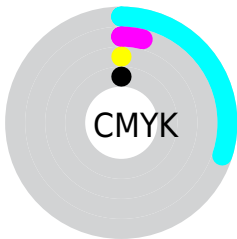
Distribution



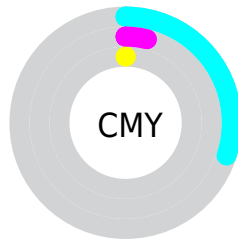
- Red (70%)
- Green (96%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1085, 0.2684, 0.3180 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 82.1085, 0.2684, 0.3180 by changing the saturation by 10% instead.


 82.1085, 0.2684,
0.3180

 82.1085, 0.2684,
0.3180


502.0105, 0.2882,
0.3233

 61.4550, 0.2641,
0.3167

 136.3261, 0.2751,
0.3199

 44.5925, 0.2588,
0.3151

170.6591, 0.2778,
0.3206

 31.1365, 0.2522,
0.3131


210.3205, 0.2801,
0.3212

 20.7028, 0.2439,
0.3104


255.6950, 0.2821,
0.3218

 12.9070, 0.2330,
0.3066

307.1669, 0.2839,
0.3222

 7.3645, 0.2180,
0.3010

365.1205, 0.2855,

 3.6911, 0.1963,

0.3226

0.2921

429.9402, 0.2869,
0.3230

1.5023, 0.1626,
0.2760

0.2904, 0.0000,
0.2054

82.1085, 0.2684,
0.3180

82.1085, 0.2684,
0.3180

77.3352, 0.2553,
0.3138

87.4870, 0.2826,
0.3220

73.1261, 0.2437,
0.3093

93.4897, 0.2976,
0.3257

69.4503, 0.2338,
0.3047

99.9993, 0.3127,
0.3290

66.2697, 0.2257,
0.3000

■ 63.5405, 0.2196,
0.2953

■ 61.2111, 0.2154,
0.2907

■ 59.1986, 0.2128,
0.2861

■ 59.1550, 0.2128,
0.2860

Harmonies

Analogous

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



82.1085, 0.2819, 0.3414



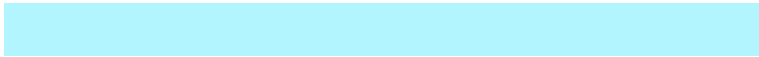
82.1085, 0.2684, 0.3180



82.1085, 0.2663, 0.2989

Triad

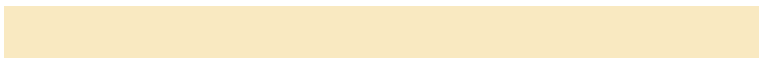
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1085, 0.2684, 0.3180



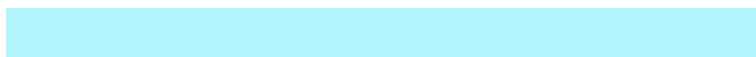
82.1085, 0.3202, 0.2990



82.1085, 0.3500, 0.3702

Complementary

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



82.1085, 0.2684, 0.3180



60.9359, 0.3767, 0.3397

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.



82.1085, 0.3613, 0.3568



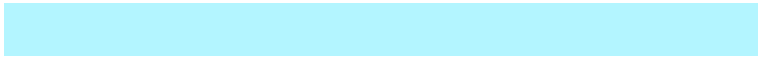
82.1085, 0.2684, 0.3180



82.1085, 0.3438, 0.3163

Square

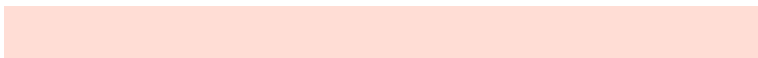
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1085, 0.2684, 0.3180



82.1085, 0.2954, 0.2891



82.1085, 0.3591, 0.3371



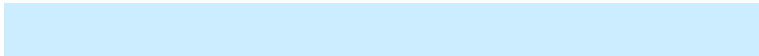
82.1085, 0.3288, 0.3726

Rectangle

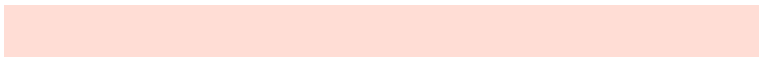
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1085, 0.2684, 0.3180



82.1085, 0.2714, 0.2910



82.1085, 0.3591, 0.3371



82.1085, 0.3551, 0.3667

Sweetspot

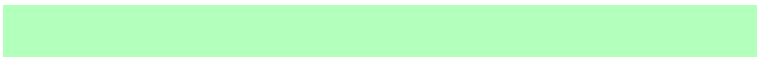
The Sweet Spot groups the original color and five complimentary colors.



82.1118, 0.2684, 0.3180



93.9917, 0.2988, 0.3260



84.7317, 0.3039, 0.4060



19.9210, 0.2965, 0.3254



0.0000, 0.0000, 0.0000



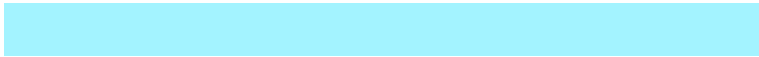
21.4041, 0.3127, 0.3290

Same Dimension

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



82.1118, 0.2684, 0.3180



79.0781, 0.2601, 0.3154



62.0048, 0.2637, 0.2759



20.0494, 0.2980, 0.3258



31.0718, 0.2130, 0.2867



3.1338, 0.2145, 0.2920

Inverse Universe

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



60.1162, 0.3238, 0.2636



53.9914, 0.3266, 0.2500



78.8450, 0.3658, 0.3768



18.2568, 0.3158, 0.3086



13.8647, 0.3573, 0.1742



1.3609, 0.3525, 0.1716

Previews

White Background



This preview shows how the Yxy color 82.1085, 0.2684, 0.3180 looks on a white background.

Color Contrast Check

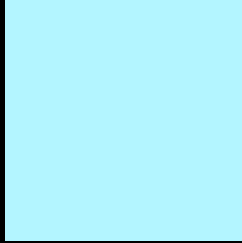
Large Text (above 18pt) WCAG AA × Fail

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 82.1085, 0.2684, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

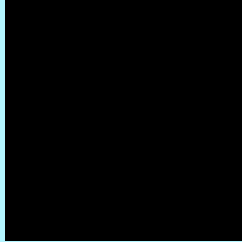
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1085, 0.2684, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 82.1085, 0.2684, 0.3180.

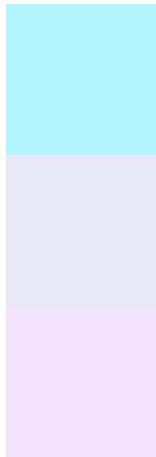


This preview shows how white text looks on a background with the Yxy color 82.1085, 0.2684, 0.3180.

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

82.1085, 0.2684, 0.3180

Protanopia

81.7523, 0.3041, 0.3137

Deuteranopia

81.5841, 0.3052, 0.3022



Tritanopia

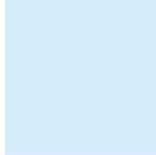
82.1364, 0.2783, 0.3140

Trichromacy



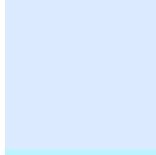
Original Color

82.1085, 0.2684, 0.3180



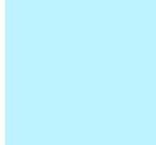
Protanomaly

81.6166, 0.2897, 0.3153



Deuteranomaly

81.1257, 0.2904, 0.3073



Tritanomaly

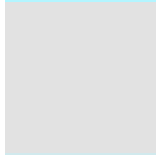
81.8006, 0.2745, 0.3149

Monochromacy



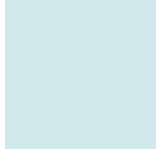
Original Color

82.1085, 0.2684, 0.3180



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.9476, 0.2945, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1085, 0.2684, 0.3180 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(179, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.1085, 0.2684, 0.3180 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(179, 245, 255) }
```

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

```
.border{ border-color:rgb(179, 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(179, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1085, 0.2684, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 245, 255) }
```

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

```
.background{ background-color: rgb(179,  
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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