

Converting Colors

$Yxy(82.3305, 0.2694, 0.3180)$

Have a look what the booklet for
Yxy(82.3305, 0.2694, 0.3180)
contains.

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Color

Yxy(82.3486, 0.2694, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	B5F5FF
RGB	181, 245, 255
RGB Percent	71%, 96%, 100%
CMY	0.2901, 0.0392, 0.0000
CMYK	0.29, 0.04, 0.00, 0.00
HSL	188°, 100%, 85%
HSV	188°, 29%, 100%
XYZ	69.7632, 82.3486, 106.8460
YIQ	227.0040, -41.3540, -10.4580

Conversions

Conversions Part 2

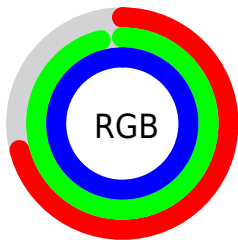
Format	Color
RYB	181, 215, 255
Decimal	11924991
CIELab	92.73, -17.63, -11.28
CIElCh	93, 20.934, 212.611
Yxy	82.3486, 0.2694, 0.3180
Android (android.graphics.Color)	4290115071 (0xFFB5F5FF)
YUV	227.0040, 13.8020, -40.3455
Hunter-Lab	90.7461, -21.5796, -6.2867

Details

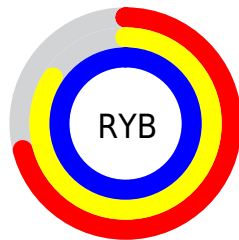
The Yxy color **82.3486, 0.2694, 0.3180** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.8639, 0.3745, 0.3396**, and the grayscale version is **76.7417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **44.9080, 0.2604, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **77.4783, 0.2562, 0.3137**, and if you desaturate by 10%, it is **87.8251, 0.2837, 0.3221**.

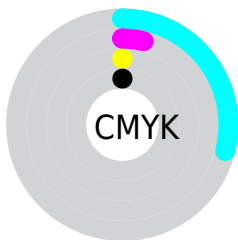
Distribution



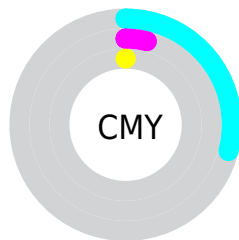
- Red (71%)
- Green (96%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3486, 0.2694, 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 82.3486, 0.2694, 0.3180 by changing the saturation by 10% instead.


 82.3486, 0.2694,
0.3180

 82.3486, 0.2694,
0.3180


502.8130, 0.2887,
0.3233

 61.6529, 0.2652,
0.3167

 136.6628, 0.2760,
0.3199

 44.7523, 0.2600,
0.3152

171.0500, 0.2786,
0.3206

 31.2624, 0.2536,
0.3131


210.7699, 0.2808,
0.3212

 20.7987, 0.2455,
0.3105

256.2069, 0.2828,
0.3218

 12.9770, 0.2348,
0.3067

307.7453, 0.2845,
0.3222

 7.4127, 0.2201,
0.3012

365.7695, 0.2861,

 3.7215, 0.1989,

0.3226

0.2925

430.6639, 0.2875,
0.3230

■ 1.5190, 0.1659,
0.2766

■ 0.3021, 0.0000,
0.2115

■ 82.3486, 0.2694,
0.3180

■ 82.3486, 0.2694,
0.3180

■ 77.4783, 0.2562,
0.3137

■ 87.8251, 0.2837,
0.3221

■ 73.1784, 0.2444,
0.3091

■ 93.9317, 0.2987,
0.3259

■ 69.4164, 0.2343,
0.3044

100.0000, 0.3127,
0.3290

■ 66.1546, 0.2260,
0.2996

■ 63.3499, 0.2197,
0.2948

■ 60.9512, 0.2154,
0.2900

■ 58.8830, 0.2127,
0.2852

■ 58.6877, 0.2124,
0.2848

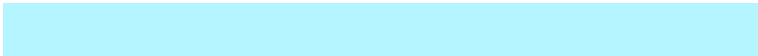
Harmonies

Analogous

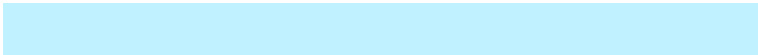
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3486, 0.2825, 0.3408



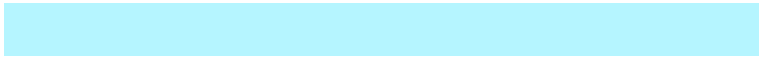
82.3486, 0.2694, 0.3180



82.3486, 0.2675, 0.2995

Triad

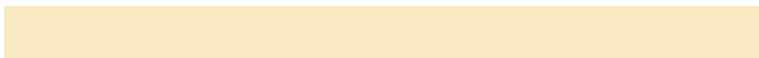
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3486, 0.2694, 0.3180



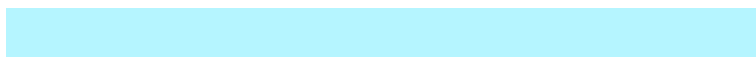
82.3486, 0.3204, 0.3000



82.3486, 0.3488, 0.3692

Complementary

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



82.3486, 0.2694, 0.3180



61.8639, 0.3745, 0.3396

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.



82.3486, 0.3600, 0.3563



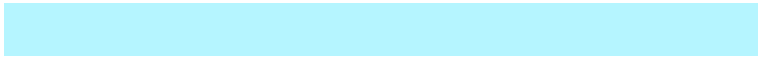
82.3486, 0.2694, 0.3180



82.3486, 0.3433, 0.3169

Square

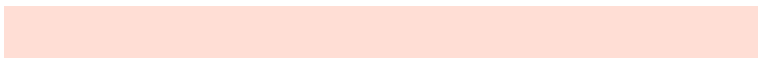
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



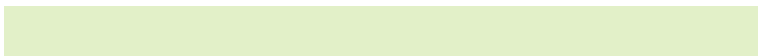
82.3486, 0.2694, 0.3180



82.3486, 0.2962, 0.2901



82.3486, 0.3580, 0.3372



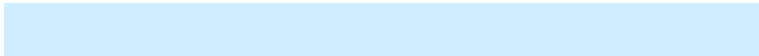
82.3486, 0.3281, 0.3713

Rectangle

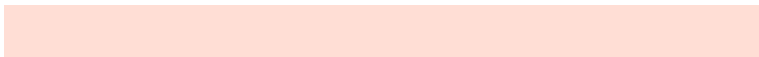
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



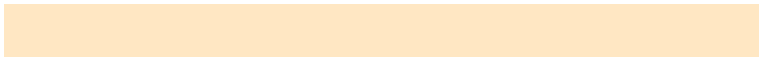
82.3486, 0.2694, 0.3180



82.3486, 0.2727, 0.2919



82.3486, 0.3580, 0.3372



82.3486, 0.3539, 0.3659

Sweetspot

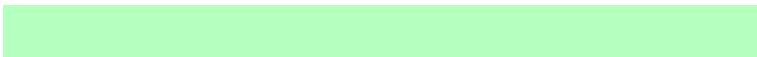
The Sweet Spot groups the original color and five complimentary colors.



82.3502, 0.2694, 0.3180



93.9410, 0.2988, 0.3259



85.1015, 0.3035, 0.4022



19.9084, 0.2965, 0.3254



0.0000, 0.0000, 0.0000



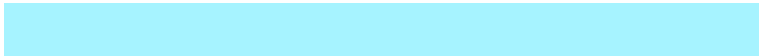
21.4041, 0.3127, 0.3290

Same Dimension

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



82.3502, 0.2694, 0.3180



79.3636, 0.2614, 0.3155



62.2261, 0.2649, 0.2761



20.0380, 0.2980, 0.3257



30.8279, 0.2127, 0.2855



3.1124, 0.2142, 0.2910

Inverse Universe

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



60.9056, 0.3237, 0.2655



54.9089, 0.3264, 0.2524



80.0128, 0.3639, 0.3767



18.2556, 0.3159, 0.3087



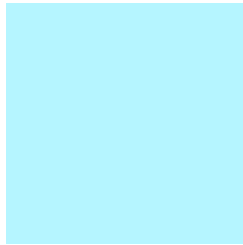
13.8401, 0.3584, 0.1748



1.3587, 0.3535, 0.1721

Previews

White Background



This preview shows how the Yxy color 82.3486, 0.2694, 0.3180 looks on a white background.

Color Contrast Check

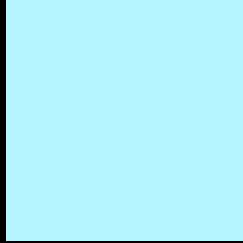
Large Text (above 18pt) WCAG AA × Fail

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 82.3486, 0.2694, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

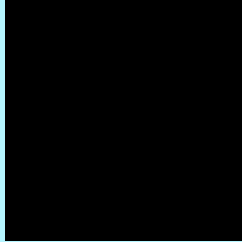
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

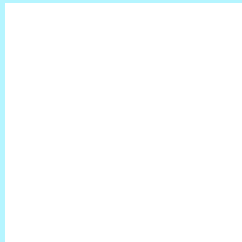
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3486, 0.2694, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 82.3486, 0.2694, 0.3180.

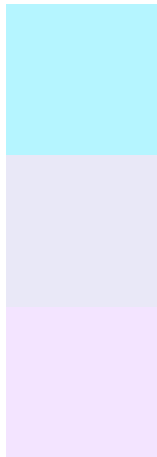


This preview shows how white text looks on a background with the Yxy color 82.3486, 0.2694, 0.3180.

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

82.3486, 0.2694, 0.3180

Protanopia

81.7523, 0.3041, 0.3137

Deuteranopia

81.7615, 0.3059, 0.3022



Tritanopia

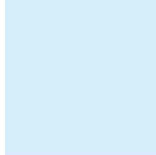
82.2727, 0.2789, 0.3141

Trichromacy



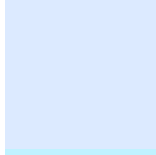
Original Color

82.3486, 0.2694, 0.3180



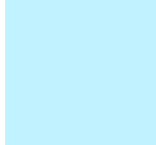
Protanomaly

81.7666, 0.2903, 0.3153



Deuteranomaly

81.2813, 0.2911, 0.3073



Tritanomaly

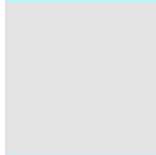
81.9307, 0.2750, 0.3150

Monochromacy



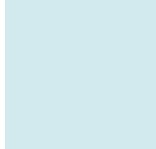
Original Color

82.3486, 0.2694, 0.3180



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.6617, 0.2952, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3486, 0.2694, 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(181, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.3486, 0.2694, 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(181, 245, 255) }
```

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

```
.border{ border-color:rgb(181, 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(181, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 245, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 245, 255); box-shadow:4px 4px 4px 4px rgb(181, 245, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3486, 0.2694, 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(181, 245, 255) }
```

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

```
.background{ background-color: rgb(181,  
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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