

Converting Colors

$Yxy(82.0908, 0.2733, 0.3160)$

Have a look what the booklet for
Yxy(82.0908, 0.2733, 0.3160)
contains.

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Color

Yxy(82.1400, 0.2735, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	BDF3FF
RGB	189, 243, 255
RGB Percent	74%, 95%, 100%
CMY	0.2587, 0.0471, 0.0000
CMYK	0.26, 0.05, 0.00, 0.00
HSL	191°, 100%, 87%
HSV	191°, 26%, 100%
XYZ	71.0927, 82.1400, 106.7040
YIQ	228.2220, -36.0360, -7.7160

Conversions

Conversions Part 2

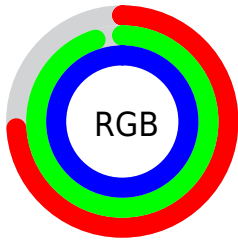
Format	Color
R _Y B	189, 219, 255
Decimal	12448767
CIE Lab	92.64, -14.39, -11.35
CIE LCh	93, 18.329, 218.269
Yxy	82.1400, 0.2735, 0.3160
Android (android.graphics.Color)	4290638847 (0xFFBDF3FF)
YUV	228.2220, 13.2016, -34.3977
Hunter-Lab	90.6311, -18.5858, -6.3629

Details

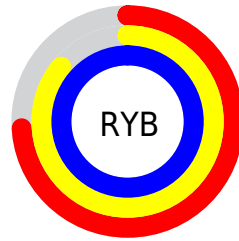
The Yxy color **82.1400, 0.2735, 0.3160** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.7234, 0.3651, 0.3416**, and the grayscale version is **77.6826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **44.6862, 0.2652, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **76.4229, 0.2596, 0.3102**, and if you desaturate by 10%, it is **88.5071, 0.2883, 0.3214**.

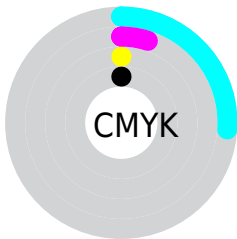
Distribution



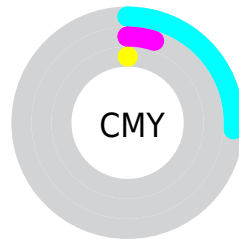
- Red (74%)
- Green (95%)
- Blue (100%)



- Red (74%)
- Yellow (86%)
- Blue (100%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1400, 0.2735, 0.3160 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 82.1400, 0.2735, 0.3160 by changing the saturation by 10% instead.


 82.1400, 0.2735,
0.3160

 82.1400, 0.2735,
0.3160


502.1159, 0.2910,
0.3222

 61.4809, 0.2696,
0.3146


 136.3703, 0.2795,
0.3182

 44.6134, 0.2650,
0.3128


170.7104, 0.2818,
0.3190

 31.1530, 0.2591,
0.3105


210.3795, 0.2839,
0.3197

 20.7154, 0.2517,
0.3075

255.7622, 0.2856,
0.3203

 12.9161, 0.2419,
0.3034

307.2428, 0.2872,
0.3209

 7.3708, 0.2284,
0.2975

365.2056, 0.2886,

 3.6951, 0.2088,

0.3213

0.2881

430.0352, 0.2899,
0.3218

1.5045, 0.1780,
0.2717

0.2919, 0.0000,
0.2069

82.1400, 0.2735,
0.3160

82.1400, 0.2735,
0.3160

76.4229, 0.2596,
0.3102

88.5071, 0.2883,
0.3214

71.3152, 0.2468,
0.3041

95.5426, 0.3036,
0.3263

66.7872, 0.2356,
0.2977

99.9992, 0.3127,
0.3290

62.8020, 0.2260,
0.2911

■ 59.3180, 0.2185,
0.2845

■ 56.2869, 0.2128,
0.2778

■ 53.6484, 0.2091,
0.2713

■ 52.6353, 0.2079,
0.2685

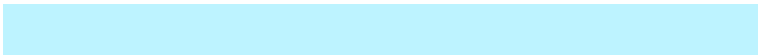
Harmonies

Analogous

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



82.1400, 0.2833, 0.3356



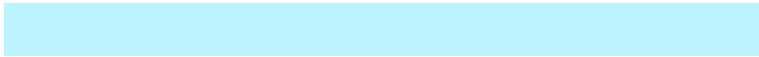
82.1400, 0.2735, 0.3160



82.1400, 0.2737, 0.3009

Triad

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



82.1400, 0.2735, 0.3160



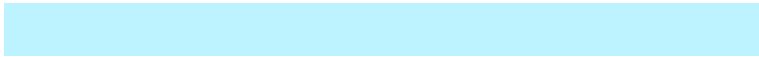
82.1400, 0.3236, 0.3059



82.1400, 0.3415, 0.3654

Complementary

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



82.1400, 0.2735, 0.3160



66.7234, 0.3651, 0.3416

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.



82.1400, 0.3531, 0.3558



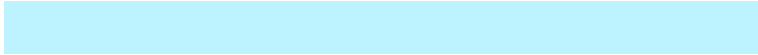
82.1400, 0.2735, 0.3160



82.1400, 0.3427, 0.3217

Square

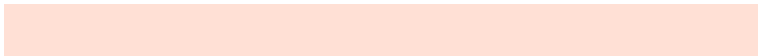
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



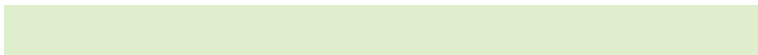
82.1400, 0.2735, 0.3160



82.1400, 0.3021, 0.2958



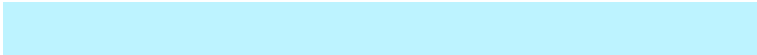
82.1400, 0.3536, 0.3397



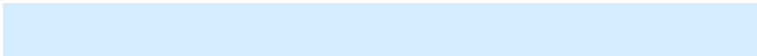
82.1400, 0.3223, 0.3650

Rectangle

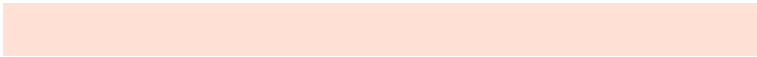
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



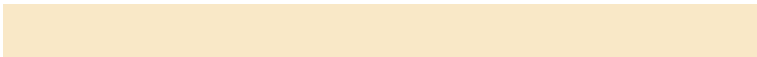
82.1400, 0.2735, 0.3160



82.1400, 0.2796, 0.2952



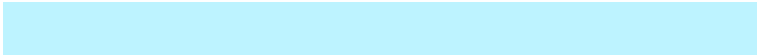
82.1400, 0.3536, 0.3397



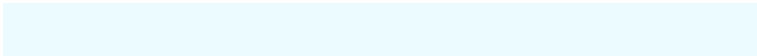
82.1400, 0.3464, 0.3632

Sweetspot

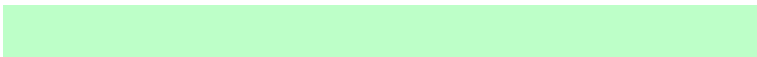
The Sweet Spot groups the original color and five complimentary colors.



82.1433, 0.2735, 0.3160



93.9902, 0.3003, 0.3253



86.5087, 0.3033, 0.3905



19.8865, 0.2980, 0.3246



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.



82.1433, 0.2735, 0.3160



79.1337, 0.2662, 0.3131



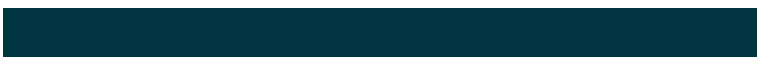
64.6449, 0.2702, 0.2801



19.8865, 0.2980, 0.3246



27.7091, 0.2082, 0.2696



2.8374, 0.2103, 0.2771

Inverse Universe

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



64.1429, 0.3246, 0.2754



58.6196, 0.3275, 0.2645



83.2155, 0.3571, 0.3735



18.2404, 0.3166, 0.3098



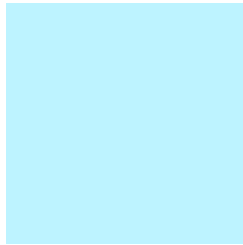
13.5252, 0.3732, 0.1829



1.3310, 0.3661, 0.1791

Previews

White Background



This preview shows how the Yxy color 82.1400, 0.2735, 0.3160 looks on a white background.

Color Contrast Check

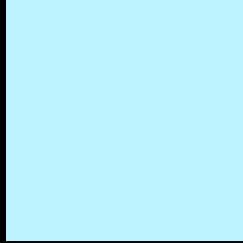
Large Text (above 18pt) WCAG AA × Fail

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 82.1400, 0.2735, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

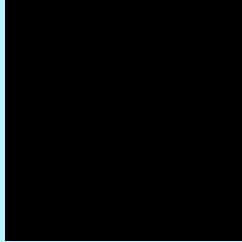
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1400, 0.2735, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 82.1400, 0.2735, 0.3160.

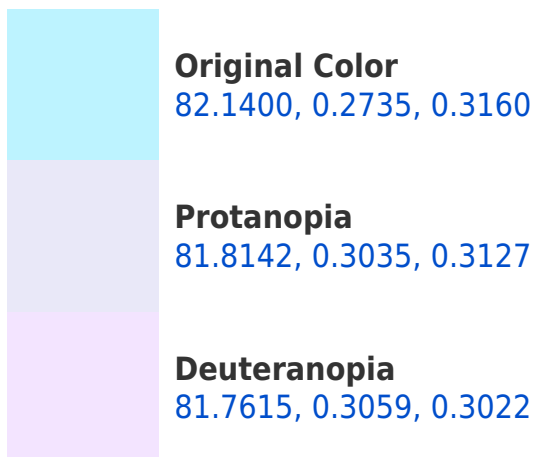


This preview shows how white text looks on a background with the Yxy color 82.1400, 0.2735, 0.3160.

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

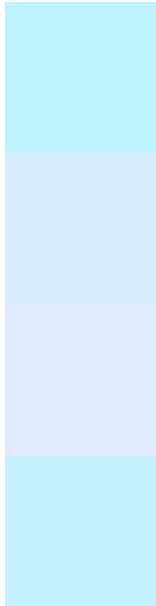




Tritanopia

82.0967, 0.2805, 0.3131

Trichromacy



Original Color

82.1400, 0.2735, 0.3160

Protanomaly

81.7077, 0.2915, 0.3133

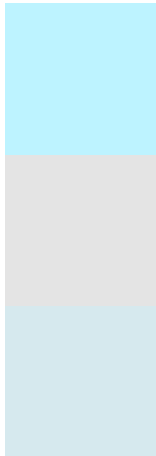
Deuteranomaly

81.1858, 0.2929, 0.3064

Tritanomaly

82.0009, 0.2777, 0.3140

Monochromacy



Original Color

82.1400, 0.2735, 0.3160

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.7470, 0.2971, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1400, 0.2735, 0.3160 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(189, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 243, 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(189, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.1400, 0.2735, 0.3160 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(189, 243, 255) }
```

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

```
.border{ border-color:rgb(189, 243, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(189, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1400, 0.2735, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 243, 255) }
```

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

```
.background{ background-color: rgb(189,  
243, 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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