

Converting Colors

$Yxy(85.8406, 0.2531, 0.2727)$

Have a look what the booklet for
Yxy(85.8406, 0.2531, 0.2727)
contains.

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Color

Yxy(82.3976, 0.2746, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	BFF3FF
RGB	191, 243, 255
RGB Percent	75%, 95%, 100%
CMY	0.2507, 0.0471, 0.0000
CMYK	0.25, 0.05, 0.00, 0.00
HSL	191°, 100%, 87%
HSV	191°, 25%, 100%
XYZ	71.6025, 82.3976, 106.7518
YIQ	228.8200, -34.8440, -7.2920

Conversions

Conversions Part 2

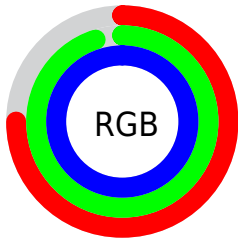
Format	Color
R_{YB}	191, 220, 255
Decimal	12579839
CIE _{Lab}	92.75, -13.80, -11.19
CIE _{LCh}	93, 17.762, 219.034
Yxy	82.3976, 0.2746, 0.3160
Android (android.graphics.Color)	4290769919 (0xFFBFF3FF)
YUV	228.8200, 12.9067, -33.1681
Hunter-Lab	90.7731, -18.0509, -6.1856

Details

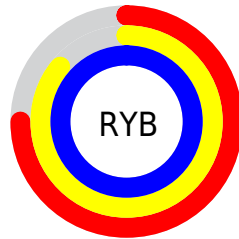
The Yxy color **82.3976, 0.2746, 0.3160** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.7797, 0.3630, 0.3416**, and the grayscale version is **78.1493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **44.8521, 0.2665, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **76.5439, 0.2606, 0.3101**, and if you desaturate by 10%, it is **88.9062, 0.2895, 0.3215**.

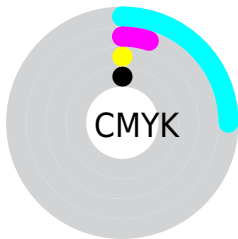
Distribution



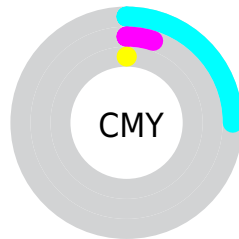
- Red (75%)
- Green (95%)
- Blue (100%)



- Red (75%)
- Yellow (86%)
- Blue (100%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3976, 0.2746, 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 82.3976, 0.2746, 0.3160 by changing the saturation by 10% instead.


 82.3976, 0.2746,
0.3160

 82.3976, 0.2746,
0.3160


502.9767, 0.2916,
0.3221

 61.6933, 0.2709,
0.3146


 136.7314, 0.2804,
0.3181

 44.7849, 0.2663,
0.3128


171.1298, 0.2827,
0.3190

 31.2881, 0.2606,
0.3106

210.8616, 0.2847,
0.3197

 20.8183, 0.2534,
0.3076

256.3113, 0.2864,
0.3203

 12.9913, 0.2439,
0.3036

307.8632, 0.2879,
0.3209

 7.4225, 0.2308,
0.2977

365.9019, 0.2893,

 3.7277, 0.2117,

0.3213

0.2885

430.8115, 0.2905,
0.3218

■ 1.5224, 0.1817,
0.2723

■ 0.3044, 0.0000,
0.2135

■ 82.3976, 0.2746,
0.3160

■ 82.3976, 0.2746,
0.3160

■ 76.5439, 0.2606,
0.3101

■ 88.9062, 0.2895,
0.3215

■ 71.3081, 0.2476,
0.3038

■ 96.0913, 0.3048,
0.3266

■ 66.6593, 0.2362,
0.2972

100.0000, 0.3127,
0.3290

■ 62.5611, 0.2264,
0.2904

■ 58.9722, 0.2186,
0.2835

■ 55.8448, 0.2127,
0.2766

■ 53.1200, 0.2088,
0.2697

■ 51.8831, 0.2073,
0.2664

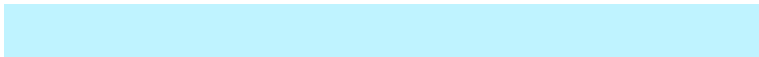
Harmonies

Analogous

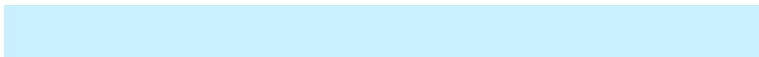
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3976, 0.2839, 0.3349



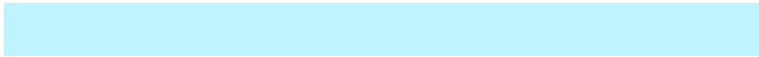
82.3976, 0.2746, 0.3160



82.3976, 0.2751, 0.3015

Triad

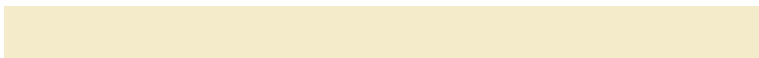
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3976, 0.2746, 0.3160



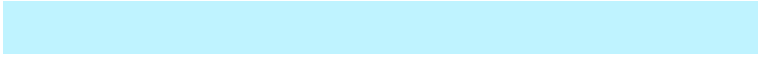
82.3976, 0.3238, 0.3069



82.3976, 0.3402, 0.3644

Complementary

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



82.3976, 0.2746, 0.3160



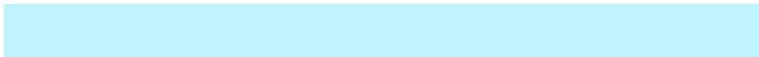
67.7797, 0.3630, 0.3416

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.



82.3976, 0.3516, 0.3553



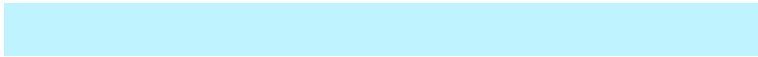
82.3976, 0.2746, 0.3160



82.3976, 0.3421, 0.3224

Square

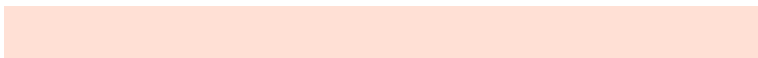
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



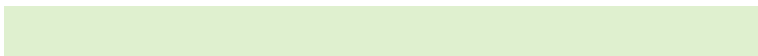
82.3976, 0.2746, 0.3160



82.3976, 0.3029, 0.2970



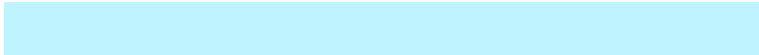
82.3976, 0.3524, 0.3399



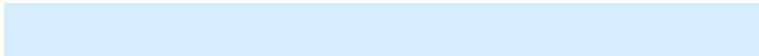
82.3976, 0.3215, 0.3637

Rectangle

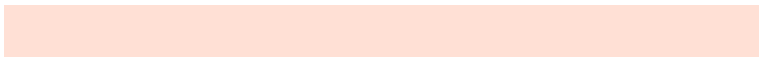
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



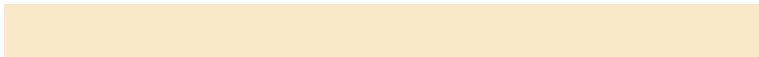
82.3976, 0.2746, 0.3160



82.3976, 0.2809, 0.2961



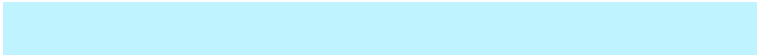
82.3976, 0.3524, 0.3399



82.3976, 0.3450, 0.3623

Sweetspot

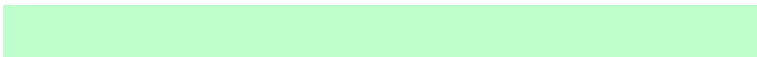
The Sweet Spot groups the original color and five complimentary colors.



82.3998, 0.2746, 0.3160



93.9124, 0.3003, 0.3252



86.9085, 0.3030, 0.3871



19.8668, 0.2980, 0.3244



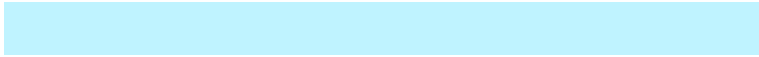
0.0000, 0.0000, 0.0000



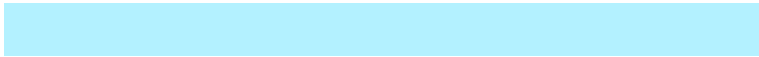
21.4041, 0.3127, 0.3290

Same Dimension

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



82.3998, 0.2746, 0.3160



79.4320, 0.2676, 0.3131



65.0540, 0.2714, 0.2806



19.8668, 0.2980, 0.3244



27.3179, 0.2077, 0.2675



2.8028, 0.2098, 0.2753

Inverse Universe

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



65.0257, 0.3245, 0.2774



59.6285, 0.3273, 0.2670



84.3031, 0.3553, 0.3731



18.2384, 0.3167, 0.3099



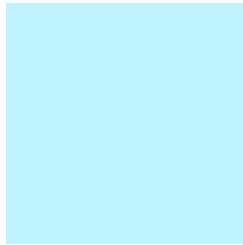
13.4857, 0.3752, 0.1840



1.3275, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 82.3976, 0.2746, 0.3160 looks on a white background.

Color Contrast Check

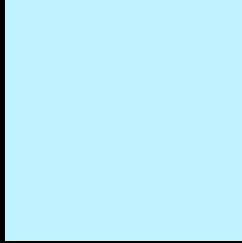
Large Text (above 18pt) WCAG AA × Fail

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 82.3976, 0.2746, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

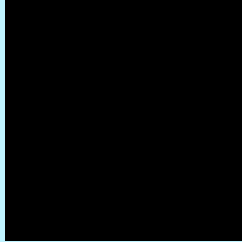
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3976, 0.2746, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 82.3976, 0.2746, 0.3160.



This preview shows how white text looks on a background with the Yxy color 82.3976, 0.2746, 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



Original Color

82.3976, 0.2746, 0.3160

Protanopia

81.8142, 0.3035, 0.3127

Deuteranopia

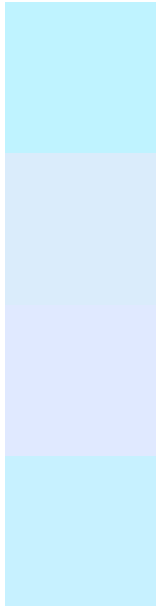
81.7615, 0.3059, 0.3022



Tritanopia

82.2367, 0.2811, 0.3131

Trichromacy



Original Color

82.3976, 0.2746, 0.3160

Protanomaly

81.8614, 0.2922, 0.3134

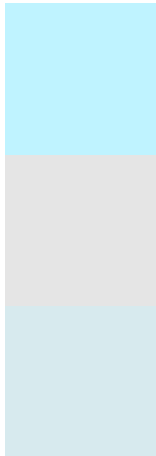
Deuteranomaly

81.3451, 0.2935, 0.3064

Tritanomaly

82.2727, 0.2789, 0.3141

Monochromacy



Original Color

82.3976, 0.2746, 0.3160

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.4658, 0.2978, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3976, 0.2746, 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(191, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.3976, 0.2746, 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(191, 243, 255) }
```

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

```
.border{ border-color:rgb(191, 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(191, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 243,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.3976, 0.2746, 0.3160$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 243, 255) }
```

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

```
.background{ background-color: rgb(191,  
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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