

# Converting Colors

$Yxy(82.8391, 0.2715, 0.3181)$

Have a look what the booklet for  
Yxy(82.8391, 0.2715, 0.3181)  
contains.

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# Color

**Yxy(82.8391, 0.2715, 0.3181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9F5FF
RGB	185, 245, 255
RGB Percent	73%, 96%, 100%
CMY	0.2747, 0.0392, 0.0000
CMYK	0.27, 0.04, 0.00, 0.00
HSL	189°, 100%, 86%
HSV	189°, 27%, 100%
XYZ	70.7036, 82.8391, 106.8757
YIQ	228.2000, -38.9700, -9.6100

# Conversions

## Conversions Part 2

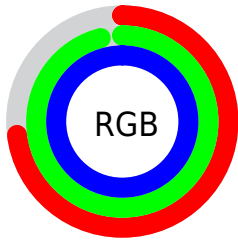
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 217, 255
Decimal	12187135
CIELab	92.94, -16.54, -10.93
CIElCh	93, 19.829, 213.448
Yxy	82.8391, 0.2715, 0.3181
Android (android.graphics.Color)	4290377215 (0xFFB9F5FF)
YUV	228.2000, 13.2124, -37.8864
Hunter-Lab	91.0160, -20.6145, -5.9102

# Details

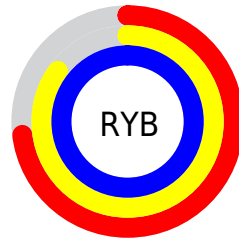
The Yxy color **82.8391, 0.2715, 0.3181** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.7696, 0.3701, 0.3396**, and the grayscale version is **77.6563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **45.2182, 0.2629, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **77.7717, 0.2581, 0.3136**, and if you desaturate by 10%, it is **88.5242, 0.2860, 0.3224**.

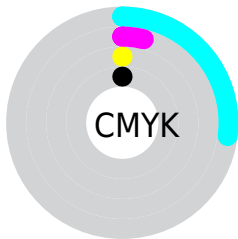
# Distribution



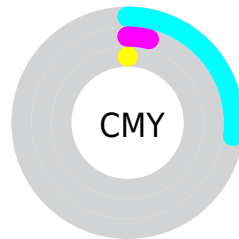
- Red (73%)
- Green (96%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8391, 0.2715, 0.3181 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 82.8391, 0.2715, 0.3181 by changing the saturation by 10% instead.




 82.8391, 0.2715,  
0.3181

 82.8391, 0.2715,  
0.3181


504.4501, 0.2899,  
0.3233

 62.0574, 0.2675,  
0.3169


 137.3501, 0.2777,  
0.3199

 45.0791, 0.2626,  
0.3153


171.8482, 0.2802,  
0.3207

 31.5197, 0.2565,  
0.3134


211.6872, 0.2823,  
0.3213

 20.9949, 0.2487,  
0.3108

257.2516, 0.2842,  
0.3218

 13.1203, 0.2385,  
0.3071

308.9256, 0.2859,  
0.3222

 7.5114, 0.2246,  
0.3018

367.0938, 0.2874,

 3.7840, 0.2043,

0.3227

0.2934

432.1405, 0.2887,  
0.3230

1.5535, 0.1727,  
0.2784

0.3259, 0.0000,  
0.2243

82.8391, 0.2715,  
0.3181

82.8391, 0.2715,  
0.3181

77.7717, 0.2581,  
0.3136

88.5242, 0.2860,  
0.3224

73.2826, 0.2460,  
0.3088

94.8467, 0.3011,  
0.3263

69.3414, 0.2355,  
0.3038

100.0000, 0.3127,  
0.3290

65.9108, 0.2268,  
0.2987

■ 62.9486, 0.2201,  
0.2936

■ 60.4051, 0.2153,  
0.2885

■ 58.2157, 0.2123,  
0.2835

■ 57.6928, 0.2117,  
0.2822

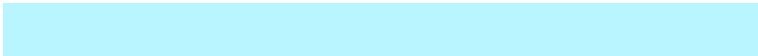
# Harmonies

## Analogous

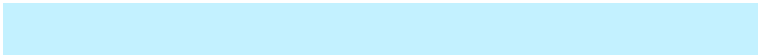
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8391, 0.2836, 0.3396



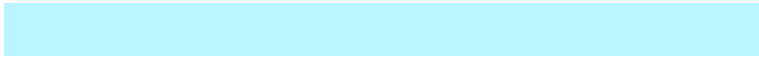
82.8391, 0.2715, 0.3181



82.8391, 0.2700, 0.3008

# Triad

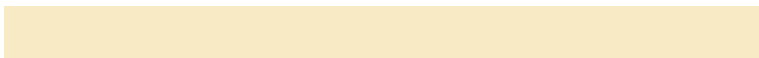
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8391, 0.2715, 0.3181



82.8391, 0.3207, 0.3019



82.8391, 0.3464, 0.3673

# Complementary

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



82.8391, 0.2715, 0.3181



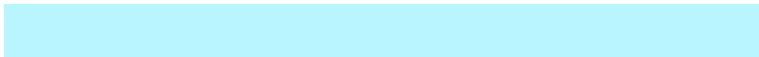
63.7696, 0.3701, 0.3396

# 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.



82.8391, 0.3573, 0.3554



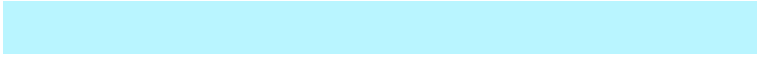
82.8391, 0.2715, 0.3181



82.8391, 0.3422, 0.3181

# Square

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



82.8391, 0.2715, 0.3181



82.8391, 0.2977, 0.2923



82.8391, 0.3558, 0.3374



82.8391, 0.3266, 0.3688

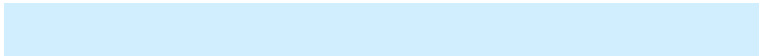


# Rectangle

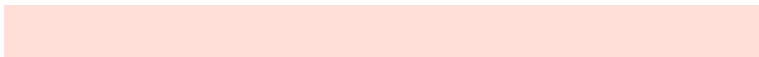
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8391, 0.2715, 0.3181



82.8391, 0.2751, 0.2937



82.8391, 0.3558, 0.3374



82.8391, 0.3513, 0.3643

# Sweetspot

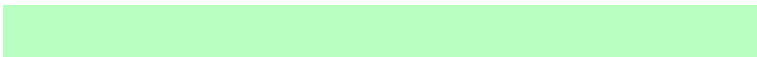
The Sweet Spot groups the original color and five complimentary colors.



82.8419, 0.2715, 0.3181



94.4920, 0.3003, 0.3261



85.7383, 0.3040, 0.3977



20.0137, 0.2980, 0.3255



0.0000, 0.0000, 0.0000

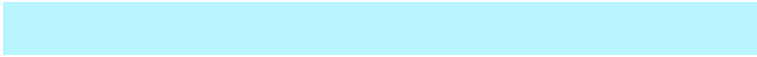


21.4041, 0.3127, 0.3290

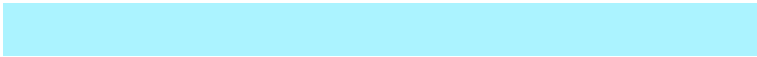


# Same Dimension

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



82.8419, 0.2715, 0.3181



79.9620, 0.2639, 0.3156



63.9413, 0.2676, 0.2793



20.0137, 0.2980, 0.3255



30.3150, 0.2120, 0.2830



3.0674, 0.2136, 0.2888



# Inverse Universe

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



62.5359, 0.3234, 0.2694



56.8002, 0.3260, 0.2573



80.9771, 0.3608, 0.3741



18.2532, 0.3160, 0.3089



13.7883, 0.3607, 0.1761

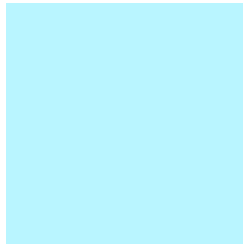


1.3542, 0.3554, 0.1732



# Previews

## White Background



This preview shows how the Yxy color 82.8391, 0.2715, 0.3181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

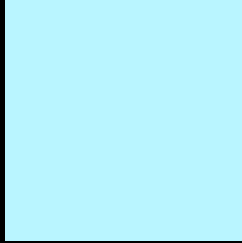
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8391, 0.2715, 0.3181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

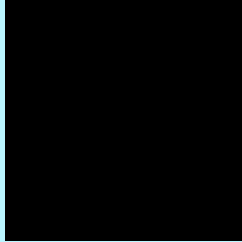
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.8391, 0.2715, 0.3181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8391, 0.2715, 0.3181.

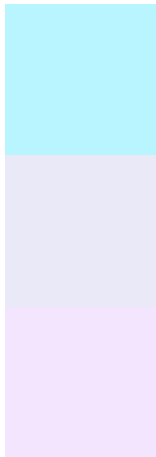


This preview shows how white text looks on a background with the Yxy color 82.8391, 0.2715, 0.3181.

# 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

82.8391, 0.2715, 0.3181

### Protanopia

82.4857, 0.3047, 0.3148

### Deuteranopia

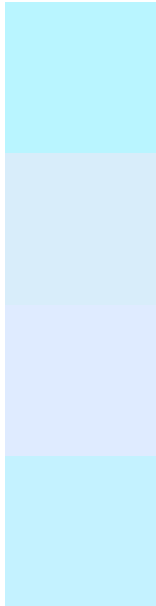
82.4917, 0.3065, 0.3033



## Tritanopia

82.6872, 0.2806, 0.3141

# Trichromacy



**Original Color**

82.8391, 0.2715, 0.3181

**Protanomaly**

82.0694, 0.2915, 0.3154

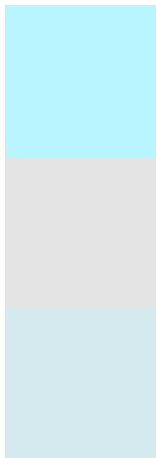
**Deuteranomaly**

82.3246, 0.2930, 0.3085

**Tritanomaly**

82.4600, 0.2773, 0.3151

# Monochromacy



**Original Color**

82.8391, 0.2715, 0.3181

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

79.0157, 0.2959, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8391, 0.2715, 0.3181 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(185, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 245, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8391, 0.2715, 0.3181 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(185, 245, 255) }
```

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

```
.border{ border-color:rgb(185, 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(185, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 245,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8391, 0.2715, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 245, 255) }
```

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

```
.background{ background-color: rgb(185,  
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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