

# Converting Colors

Yxy(83.6614, 0.2710, 0.3199)

Have a look what the booklet for  
Yxy(83.6614, 0.2710, 0.3199)  
contains.

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# Color

**Yxy(83.9319, 0.2712, 0.3203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8F7FF
RGB	184, 247, 255
RGB Percent	72%, 97%, 100%
CMY	0.2786, 0.0313, 0.0001
CMYK	0.28, 0.03, 0.00, 0.00
HSL	187°, 100%, 86%
HSV	187°, 28%, 100%
XYZ	71.0657, 83.9319, 107.0440
YIQ	229.0750, -40.1160, -10.8680

# Conversions

## Conversions Part 2

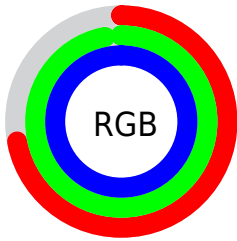
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 217, 255
Decimal	12122111
CIELab	93.42, -17.83, -10.21
CIELCh	93, 20.546, 209.801
Yxy	83.9319, 0.2712, 0.3203
Android (android.graphics.Color)	4290312191 (0xFFB8F7FF)
YUV	229.0750, 12.7810, -39.5308
Hunter-Lab	91.6144, -21.8619, -5.1455

# Details

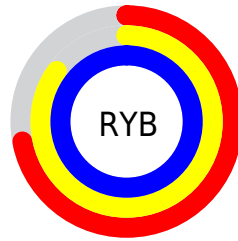
The Yxy color **83.9319, 0.2712, 0.3203** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3754, 0.3718, 0.3375**, and the grayscale version is **78.3331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **46.0059, 0.2627, 0.3191** is the 20% darker color. If you saturate the color by 10%, you get **79.3312, 0.2581, 0.3167**, and if you desaturate by 10%, it is **89.1335, 0.2855, 0.3237**.

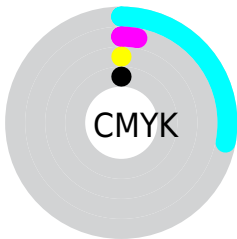
# Distribution



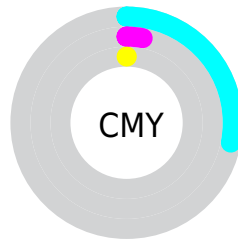
- Red (72%)
- Green (97%)
- Blue (100%)



- Red (72%)
- Yellow (85%)
- Blue (100%)



- Cyan (28%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9319, 0.2712, 0.3203 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 83.9319, 0.2712, 0.3203 by changing the saturation by 10% instead.



 83.9319, 0.2712,  
0.3203

 83.9319, 0.2712,  
0.3203


508.0871, 0.2897,  
0.3245

 62.9592, 0.2672,  
0.3193

 138.8799, 0.2775,  
0.3218

 45.8082, 0.2622,  
0.3180

173.6240, 0.2799,  
0.3224

 32.0945, 0.2561,  
0.3164


213.7274, 0.2821,  
0.3229

 21.4337, 0.2484,  
0.3142

259.5744, 0.2840,  
0.3233

 13.4414, 0.2382,  
0.3112

311.5495, 0.2856,  
0.3237

 7.7332, 0.2243,  
0.3067

370.0371, 0.2871,

 3.9247, 0.2042,

0.3240

0.2995

435.4215, 0.2885,  
0.3243

1.6315, 0.1728,  
0.2865

0.3787, 0.0000,  
0.2501

83.9319, 0.2712,  
0.3203

83.9319, 0.2712,  
0.3203

79.3312, 0.2581,  
0.3167

89.1335, 0.2855,  
0.3237

75.2908, 0.2463,  
0.3130

94.9544, 0.3005,  
0.3268

71.7805, 0.2363,  
0.3091

99.9987, 0.3127,  
0.3290

68.7631, 0.2281,  
0.3052

■ 66.1963, 0.2219,  
0.3012

■ 64.0302, 0.2176,  
0.2973

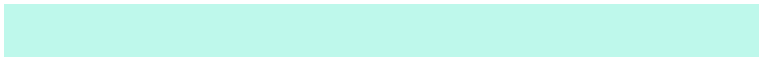
■ 62.1982, 0.2151,  
0.2934

■ 61.8284, 0.2146,  
0.2926

# Harmonies

## Analogous

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



83.9319, 0.2849, 0.3426



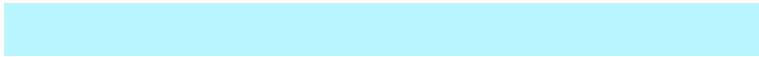
83.9319, 0.2712, 0.3203



83.9319, 0.2682, 0.3016

# Triad

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



83.9319, 0.2712, 0.3203



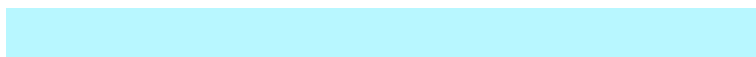
83.9319, 0.3180, 0.2994



83.9319, 0.3494, 0.3675

# Complementary

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



83.9319, 0.2712, 0.3203



62.3754, 0.3718, 0.3375

# 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.



83.9319, 0.3592, 0.3541



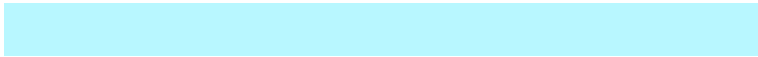
83.9319, 0.2712, 0.3203



83.9319, 0.3407, 0.3154

# Square

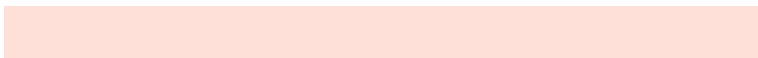
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9319, 0.2712, 0.3203



83.9319, 0.2945, 0.2906



83.9319, 0.3560, 0.3351



83.9319, 0.3298, 0.3706

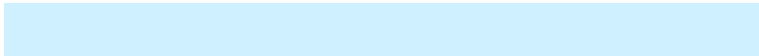


# Rectangle

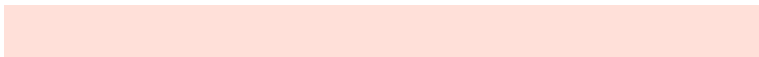
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



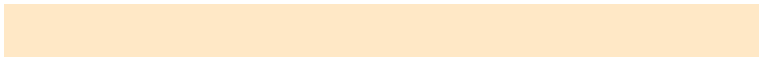
83.9319, 0.2712, 0.3203



83.9319, 0.2726, 0.2936



83.9319, 0.3560, 0.3351



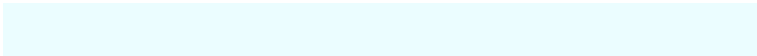
83.9319, 0.3540, 0.3640

# Sweetspot

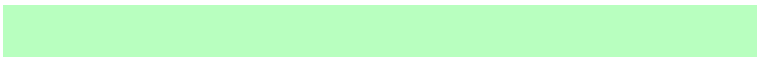
The Sweet Spot groups the original color and five complimentary colors.



83.9353, 0.2712, 0.3203



94.8839, 0.3003, 0.3267



85.4551, 0.3051, 0.4016



20.1131, 0.2980, 0.3263



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.



83.9353, 0.2712, 0.3203



81.5098, 0.2643, 0.3185



64.6710, 0.2672, 0.2812



20.1131, 0.2980, 0.3263



32.4518, 0.2148, 0.2932



3.2546, 0.2160, 0.2977



# Inverse Universe

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



62.2329, 0.3219, 0.2666



56.9565, 0.3239, 0.2550



79.4168, 0.3622, 0.3725



18.2632, 0.3155, 0.3082



14.0040, 0.3514, 0.1710



1.3731, 0.3475, 0.1688



# Previews

## White Background



This preview shows how the Yxy color 83.9319, 0.2712, 0.3203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

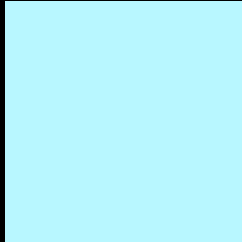
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9319, 0.2712, 0.3203 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 83.9319, 0.2712, 0.3203**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9319, 0.2712, 0.3203.

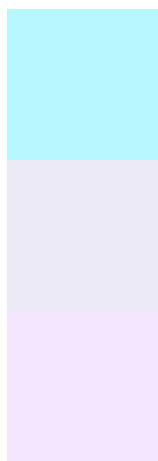


This preview shows how white text looks on a background with the Yxy color 83.9319, 0.2712, 0.3203.

# 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

83.9319, 0.2712, 0.3203

### Protanopia

83.3939, 0.3060, 0.3158

### Deuteranopia

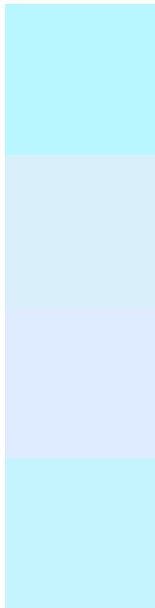
83.2261, 0.3072, 0.3043



## Tritanopia

83.7034, 0.2824, 0.3153

# Trichromacy



**Original Color**

83.9319, 0.2712, 0.3203

**Protanomaly**

83.3868, 0.2922, 0.3175

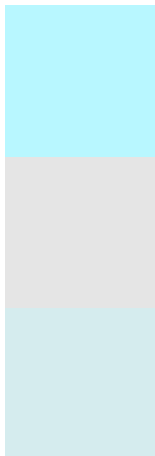
**Deuteranomaly**

82.8989, 0.2930, 0.3095

**Tritanomaly**

83.7917, 0.2780, 0.3172

# Monochromacy



**Original Color**

83.9319, 0.2712, 0.3203

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

80.3101, 0.2965, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9319, 0.2712, 0.3203 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(184, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 247, 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(184, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 247, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9319, 0.2712, 0.3203 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(184, 247, 255) }
```

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

```
.border{ border-color:rgb(184, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 247,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9319, 0.2712, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 247, 255) }
```

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

```
.background{ background-color: rgb(184,  
247, 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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