

# Converting Colors

$Yxy(82.0705, 0.2812, 0.3361)$

Have a look what the booklet for  
Yxy(82.0705, 0.2812, 0.3361)  
contains.

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# Color

**Yxy(82.0427, 0.2814, 0.3366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF5EE
RGB	187, 245, 238
RGB Percent	73%, 96%, 93%
CMY	0.2664, 0.0392, 0.0667
CMYK	0.24, 0.00, 0.03, 0.04
HSL	173°, 74%, 85%
HSV	173°, 24%, 96%
XYZ	68.5883, 82.0427, 93.1085
YIQ	226.8600, -32.3210, -14.4730

# Conversions

## Conversions Part 2

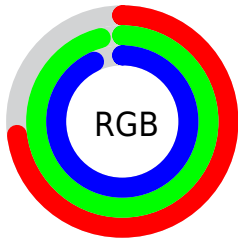
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 218, 245
Decimal	12318190
CIE Lab	92.59, -19.60, -2.60
CIE LCh	93, 19.771, 187.566
Yxy	82.0427, 0.2814, 0.3366
Android (android.graphics.Color)	4290508270 (0xFFBBF5EE)
YUV	226.8600, 5.4920, -34.9572
Hunter-Lab	90.5774, -23.3443, 2.4574

# Details

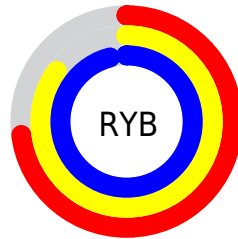
The Yxy color **82.0427, 0.2814, 0.3366** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.8736, 0.3561, 0.3216**, and the grayscale version is **76.6954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **44.6781, 0.2743, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **79.0416, 0.2698, 0.3403**, and if you desaturate by 10%, it is **85.5806, 0.2941, 0.3332**.

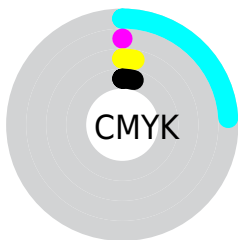
# Distribution



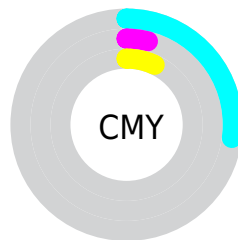
- Red (73%)
- Green (96%)
- Blue (93%)



- Red (73%)
- Yellow (85%)
- Blue (96%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)




- Cyan (27%)
- Magenta (4%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0427, 0.2814, 0.3366 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 82.0427, 0.2814, 0.3366 by changing the saturation by 10% instead.




 82.0427, 0.2814,  
0.3366

 82.0427, 0.2814,  
0.3366


501.7905, 0.2955,  
0.3333

 61.4007, 0.2783,  
0.3373


 136.2339, 0.2862,  
0.3355

 44.5487, 0.2744,  
0.3382


170.5519, 0.2881,  
0.3350

 31.1021, 0.2697,  
0.3393


210.1974, 0.2898,  
0.3346

 20.6766, 0.2635,  
0.3406

255.5547, 0.2912,  
0.3343

 12.8878, 0.2554,  
0.3423

307.0083, 0.2925,  
0.3340

 7.3513, 0.2440,  
0.3447

364.9425, 0.2936,

 3.6828, 0.2270,

0.3337

0.3479

429.7418, 0.2946,  
0.3335

■ 1.4977, 0.1993,  
0.3526

■ 0.2871, 0.0000,  
0.3673

■ 82.0427, 0.2814,  
0.3366

■ 82.0427, 0.2814,  
0.3366

■ 79.0416, 0.2698,  
0.3403

■ 85.5806, 0.2941,  
0.3332

■ 76.5403, 0.2595,  
0.3442

■ 89.6699, 0.3076,  
0.3301


■ 74.5132, 0.2509,  
0.3482

■ 93.2685, 0.3181,  
0.3272


■ 72.9282, 0.2442,  
0.3524


■ 93.4524, 0.3163,  
0.3244


 71.7491, 0.2393,  
0.3567

 93.6393, 0.3145,  
0.3215

 70.9342, 0.2365,  
0.3609

 93.7810, 0.3132,  
0.3194

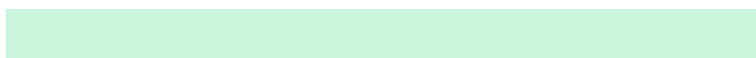
 70.4326, 0.2355,  
0.3651

 70.2289, 0.2355,  
0.3678

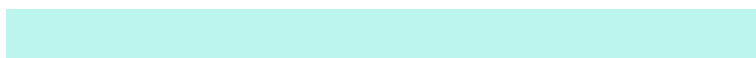
# Harmonies

## Analogous

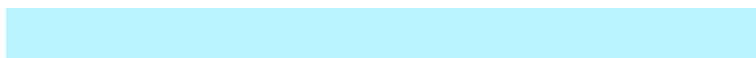
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0427, 0.3006, 0.3564



82.0427, 0.2814, 0.3366



82.0427, 0.2706, 0.3153

# Triad

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



82.0427, 0.2814, 0.3366



82.0427, 0.3007, 0.2931



82.0427, 0.3565, 0.3575

# Complementary

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



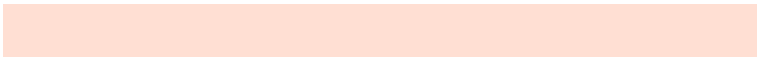
82.0427, 0.2814, 0.3366



58.8736, 0.3561, 0.3216

# 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.



82.0427, 0.3567, 0.3400



82.0427, 0.2814, 0.3366



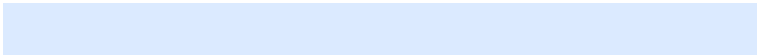
82.0427, 0.3239, 0.3038

# Square

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



82.0427, 0.2814, 0.3366



82.0427, 0.2814, 0.2912



82.0427, 0.3446, 0.3206

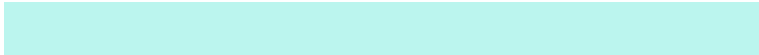


82.0427, 0.3441, 0.3682

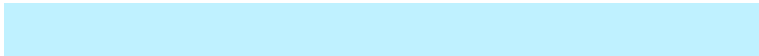


# Rectangle

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



82.0427, 0.2814, 0.3366



82.0427, 0.2694, 0.3036



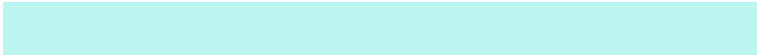
82.0427, 0.3446, 0.3206



82.0427, 0.3580, 0.3522

# Sweetspot

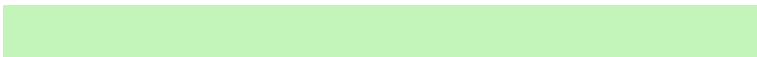
The Sweet Spot groups the original color and five complimentary colors.



82.0461, 0.2814, 0.3366



96.6323, 0.3030, 0.3311



80.4644, 0.3145, 0.3949



20.6243, 0.3022, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

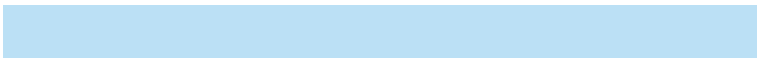
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0461, 0.2814, 0.3366



88.3383, 0.2761, 0.3382



70.3414, 0.2758, 0.3051



18.7213, 0.2997, 0.3319



37.8498, 0.2353, 0.3671



3.3361, 0.2338, 0.3618



# Inverse Universe

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



58.8736, 0.3561, 0.3216



59.1905, 0.3669, 0.3202



68.2601, 0.3568, 0.3517



16.5150, 0.3275, 0.3262



10.5177, 0.6251, 0.3217

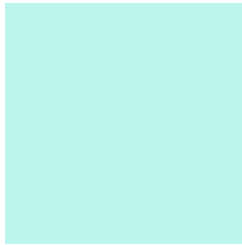


0.9347, 0.5985, 0.3070



# Previews

## White Background



This preview shows how the Yxy color 82.0427, 0.2814, 0.3366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

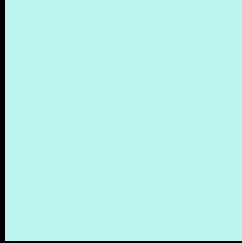
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0427, 0.2814, 0.3366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

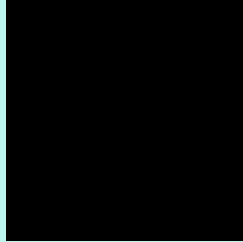
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.0427, 0.2814, 0.3366**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0427, 0.2814, 0.3366.

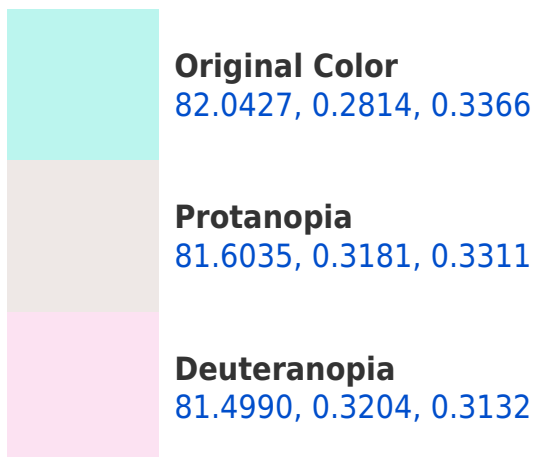


This preview shows how white text looks on a background with the Yxy color 82.0427, 0.2814, 0.3366.

# 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

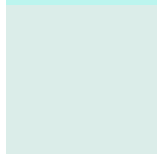
82.0967, 0.2805, 0.3131

# Trichromacy



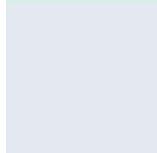
## Original Color

82.0427, 0.2814, 0.3366



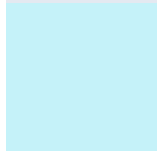
## Protanomaly

81.5116, 0.3033, 0.3332



## Deuteranomaly

81.1227, 0.3044, 0.3207



## Tritanomaly

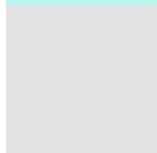
82.2141, 0.2810, 0.3214

# Monochromacy



## Original Color

82.0427, 0.2814, 0.3366



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

78.6122, 0.3000, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0427, 0.2814, 0.3366 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(187, 245, 238)` looks like.

```
.text, #text, p{  
    color:rgb(187, 245, 238)  
}
```

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(187, 245, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 245, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0427, 0.2814, 0.3366 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(187, 245, 238) }
```

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

```
.border{ border-color:rgb(187, 245, 238) }
```

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

Here you see how a box with a 4 pixel rgb(187, 245, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 245, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 245, 238);  
box-shadow:4px 4px 4px 4px rgb(187, 245,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0427, 0.2814, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 245, 238) }
```

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

```
.background{ background-color: rgb(187,  
245, 238) }
```

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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