

# Converting Colors

$Yxy(82.3822, 0.2788, 0.3357)$

Have a look what the booklet for  
Yxy(82.3822, 0.2788, 0.3357)  
contains.

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# Color

**Yxy(82.3932, 0.2787, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8F6F0
RGB	184, 246, 240
RGB Percent	72%, 96%, 94%
CMY	0.2786, 0.0352, 0.0588
CMYK	0.25, 0.00, 0.02, 0.04
HSL	174°, 78%, 84%
HSV	174°, 25%, 96%
XYZ	68.4441, 82.3932, 94.7460
YIQ	226.7780, -35.0260, -15.0100

# Conversions

## Conversions Part 2

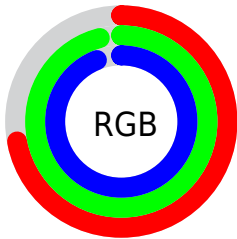
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 217, 246
Decimal	12121840
CIELab	92.75, -20.58, -3.44
CIELCh	93, 20.865, 189.499
Yxy	82.3932, 0.2787, 0.3355
Android (android.graphics.Color)	4290311920 (0xFFB8F6F0)
YUV	226.7780, 6.5184, -37.5163
Hunter-Lab	90.7707, -24.2539, 1.6529

# Details

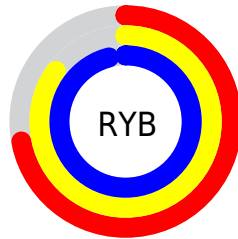
The Yxy color **82.3932, 0.2787, 0.3355** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.5722, 0.3611, 0.3227**, and the grayscale version is **76.6131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **44.9547, 0.2712, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **79.4786, 0.2670, 0.3384**, and if you desaturate by 10%, it is **85.8446, 0.2916, 0.3328**.

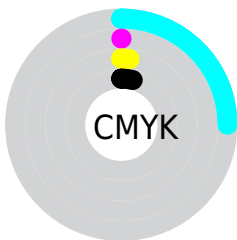
# Distribution



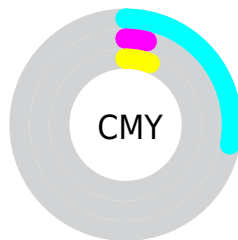
- Red (72%)
- Green (96%)
- Blue (94%)



- Red (72%)
- Yellow (85%)
- Blue (96%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)




- Cyan (28%)
- Magenta (4%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3932, 0.2787, 0.3355 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 82.3932, 0.2787, 0.3355 by changing the saturation by 10% instead.




 82.3932, 0.2787,  
0.3355

 82.3932, 0.2787,  
0.3355


502.9620, 0.2940,  
0.3327

 61.6897, 0.2753,  
0.3361


 136.7253, 0.2839,  
0.3346

 44.7820, 0.2712,  
0.3368

171.1226, 0.2860,  
0.3342

 31.2858, 0.2660,  
0.3376


210.8534, 0.2878,  
0.3339

 20.8165, 0.2594,  
0.3387

256.3019, 0.2893,  
0.3336

 12.9900, 0.2506,  
0.3400

307.8527, 0.2907,  
0.3333

 7.4216, 0.2384,  
0.3418


365.8900, 0.2919,


 3.7272, 0.2204,


0.3331


0.3440


430.7983, 0.2930,  
0.3329


 1.5221, 0.1912,  
0.3469


 0.3042, 0.0000,  
0.3472


 82.3932, 0.2787,  
0.3355


 82.3932, 0.2787,  
0.3355


 79.4786, 0.2670,  
0.3384


 85.8446, 0.2916,  
0.3328


 77.0633, 0.2568,  
0.3416


 89.8482, 0.3053,  
0.3302


 75.1210, 0.2483,  
0.3448

 93.9043, 0.3178,  
0.3279

 73.6186, 0.2417,  
0.3481


 94.0521, 0.3164,  
0.3256

 72.5189, 0.2370,  
0.3515


 94.2018, 0.3150,  
0.3234

 71.7786, 0.2343,  
0.3548

 94.3534, 0.3135,  
0.3211

 71.3442, 0.2333,  
0.3581

 94.3997, 0.3131,  
0.3204

 71.2067, 0.2333,  
0.3597

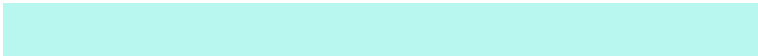
# Harmonies

## Analogous

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



82.3932, 0.2984, 0.3568



82.3932, 0.2787, 0.3355



82.3932, 0.2681, 0.3132

# Triad

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



82.3932, 0.2787, 0.3355



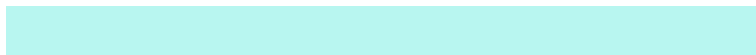
82.3932, 0.3015, 0.2917



82.3932, 0.3584, 0.3599

# Complementary

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



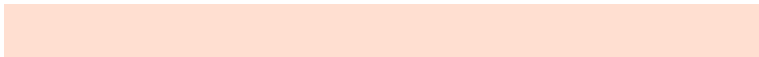
82.3932, 0.2787, 0.3355



57.5722, 0.3611, 0.3227

# 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.



82.3932, 0.3595, 0.3418



82.3932, 0.2787, 0.3355



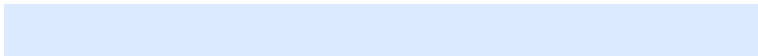
82.3932, 0.3260, 0.3034

# Square

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



82.3932, 0.2787, 0.3355



82.3932, 0.2808, 0.2890



82.3932, 0.3475, 0.3214

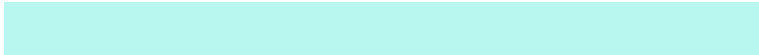


82.3932, 0.3446, 0.3707

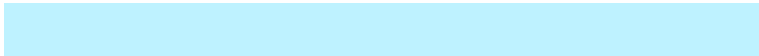


# Rectangle

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



82.3932, 0.2787, 0.3355



82.3932, 0.2673, 0.3012



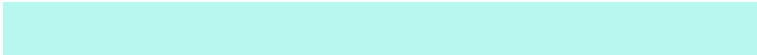
82.3932, 0.3475, 0.3214



82.3932, 0.3603, 0.3545

# Sweetspot

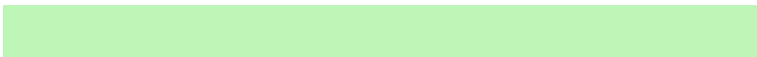
The Sweet Spot groups the original color and five complimentary colors.



82.3966, 0.2787, 0.3355



96.2078, 0.3014, 0.3309



80.3461, 0.3132, 0.4002



20.4494, 0.2993, 0.3313



0.0000, 0.0000, 0.0000

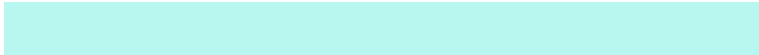


21.4041, 0.3127, 0.3290

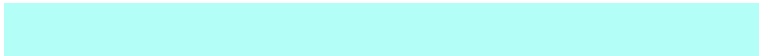


# Same Dimension

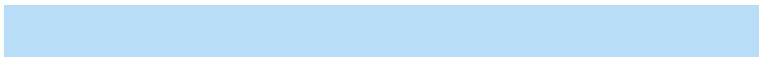
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3966, 0.2787, 0.3355



87.7973, 0.2729, 0.3369



68.6521, 0.2731, 0.3009



18.7286, 0.2994, 0.3313



38.0143, 0.2331, 0.3591



3.3490, 0.2319, 0.3550



# Inverse Universe

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



57.5722, 0.3611, 0.3227



56.8407, 0.3739, 0.3214



68.5456, 0.3599, 0.3554



16.5085, 0.3278, 0.3267



10.5015, 0.6291, 0.3239

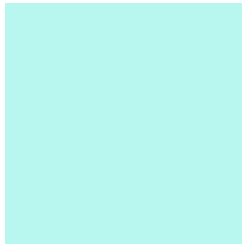


0.9316, 0.6062, 0.3113



# Previews

## White Background



This preview shows how the Yxy color 82.3932, 0.2787, 0.3355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

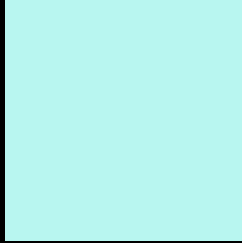
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.3932, 0.2787, 0.3355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

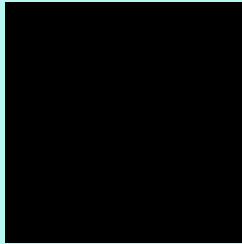
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.3932, 0.2787, 0.3355**

## Background



This preview shows how black text looks on a background with the Yxy color 82.3932, 0.2787, 0.3355.

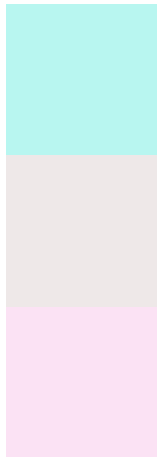


This preview shows how white text looks on a background with the Yxy color 82.3932, 0.2787, 0.3355.

# 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

82.3932, 0.2787, 0.3355

### Protanopia

81.7166, 0.3168, 0.3290

### Deuteranopia

81.4336, 0.3184, 0.3112



## Tritanopia

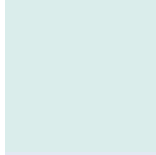
81.9577, 0.2800, 0.3130

# Trichromacy



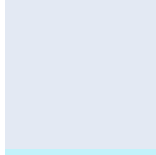
## Original Color

82.3932, 0.2787, 0.3355



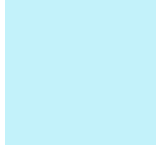
## Protanomaly

81.4720, 0.3015, 0.3311



## Deuteranomaly

81.0798, 0.3026, 0.3186



## Tritanomaly

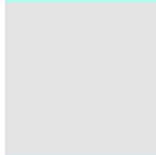
82.0085, 0.2793, 0.3203

# Monochromacy



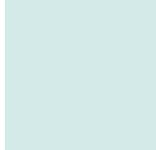
## Original Color

82.3932, 0.2787, 0.3355



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

78.5207, 0.2988, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3932, 0.2787, 0.3355 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, 246, 240)` looks like.

```
.text, #text, p{  
    color:rgb(184, 246, 240)  
}
```

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, 246, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 246, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3932, 0.2787, 0.3355 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, 246, 240) }
```

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

```
.border{ border-color:rgb(184, 246, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 246, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 246, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 246, 240);  
box-shadow:4px 4px 4px 4px rgb(184, 246,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3932, 0.2787, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 246, 240) }
```

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

```
.background{ background-color: rgb(184,  
246, 240) }
```

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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