

# Converting Colors

$Yxy(82.2873, 0.2686, 0.3218)$

Have a look what the booklet for  
Yxy(82.2873, 0.2686, 0.3218)  
contains.

<b>Yxy(82.2869, 0.2689, 0.3223)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(82.2869, 0.2689, 0.3223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1F6FC
RGB	177, 246, 252
RGB Percent	69%, 96%, 99%
CMY	0.3060, 0.0353, 0.0117
CMYK	0.30, 0.02, 0.00, 0.01
HSL	185°, 93%, 84%
HSV	185°, 30%, 99%
XYZ	68.6533, 82.2869, 104.3713
YIQ	226.0530, -43.0500, -12.7620

# Conversions

## Conversions Part 2

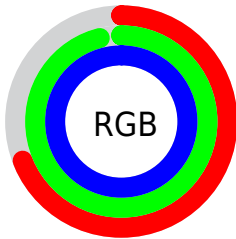
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 213, 252
Decimal	11663100
CIELab	92.70, -19.92, -9.78
CIELCh	93, 22.194, 206.154
Yxy	82.2869, 0.2689, 0.3223
Android (android.graphics.Color)	4289853180 (0xFFB1F6FC)
YUV	226.0530, 12.7919, -43.0195
Hunter-Lab	90.7121, -23.6528, -4.7193

# Details

The Yxy color **82.2869, 0.2689, 0.3223** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.7261, 0.3779, 0.3356**, and the grayscale version is **76.0202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **44.9046, 0.2600, 0.3217** is the 20% darker color. If you saturate the color by 10%, you get **78.3796, 0.2563, 0.3197**, and if you desaturate by 10%, it is **86.7605, 0.2828, 0.3247**.

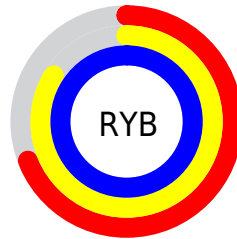
# Distribution



Red (69%)

Green (96%)

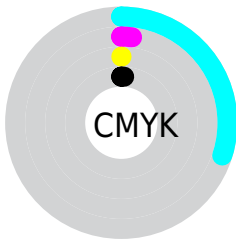
Blue (99%)



Red (69%)

Yellow (84%)

Blue (99%)

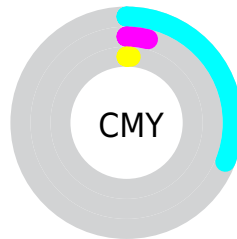


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (1%)



Cyan (31%)

Magenta (4%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2869, 0.2689, 0.3223 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 82.2869, 0.2689, 0.3223 by changing the saturation by 10% instead.




 82.2869, 0.2689,  
0.3223

 82.2869, 0.2689,  
0.3223

502.6069, 0.2885,  
0.3257

 61.6020, 0.2646,  
0.3215

 136.5763, 0.2755,  
0.3235

 44.7112, 0.2594,  
0.3204


170.9496, 0.2782,  
0.3240

 31.2300, 0.2529,  
0.3190

210.6545, 0.2804,  
0.3244

 20.7741, 0.2446,  
0.3172

256.0754, 0.2824,  
0.3247

 12.9590, 0.2338,  
0.3145

307.5967, 0.2842,  
0.3250

 7.4003, 0.2189,  
0.3105

365.6027, 0.2858,

 3.7137, 0.1972,

0.3253

0.3039

430.4780, 0.2872,  
0.3255

■ 1.5147, 0.1635,  
0.2914

■ 0.2991, 0.0000,  
0.2284

■ 82.2869, 0.2689,  
0.3223

■ 82.2869, 0.2689,  
0.3223

■ 78.3796, 0.2563,  
0.3197

■ 86.7605, 0.2828,  
0.3247

■ 74.9986, 0.2452,  
0.3171

■ 91.8183, 0.2976,  
0.3270

■ 72.1141, 0.2359,  
0.3143

■ 97.4897, 0.3131,  
0.3290

■ 69.6891, 0.2286,  
0.3116

■ 99.2212, 0.3145,  
0.3310

■ 67.6815, 0.2231,  
0.3088

99.8092, 0.3144,  
0.3318

■ 66.0411, 0.2196,  
0.3060

■ 64.6871, 0.2176,  
0.3034

■ 64.6586, 0.2176,  
0.3033

# Harmonies

## Analogous

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



82.2869, 0.2849, 0.3466



82.2869, 0.2689, 0.3223



82.2869, 0.2642, 0.3012

# Triad

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



82.2869, 0.2689, 0.3223



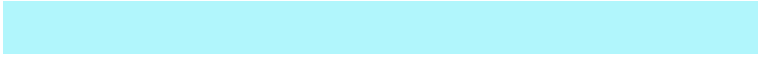
82.2869, 0.3152, 0.2953



82.2869, 0.3546, 0.3695

# Complementary

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



82.2869, 0.2689, 0.3223



57.7261, 0.3779, 0.3356

# 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.



82.2869, 0.3637, 0.3539



82.2869, 0.2689, 0.3223



82.2869, 0.3404, 0.3118

# Square

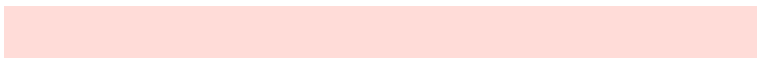
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2869, 0.2689, 0.3223



82.2869, 0.2901, 0.2869



82.2869, 0.3585, 0.3329



82.2869, 0.3342, 0.3746

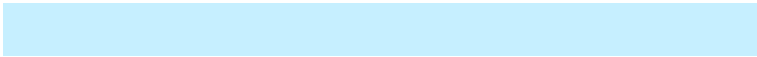


# Rectangle

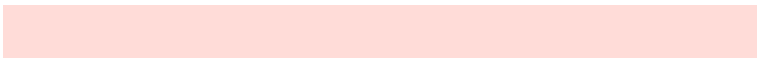
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2869, 0.2689, 0.3223



82.2869, 0.2680, 0.2917



82.2869, 0.3585, 0.3329



82.2869, 0.3591, 0.3652

# Sweetspot

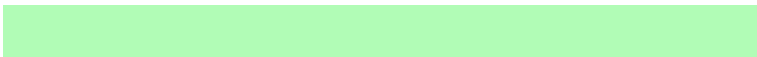
The Sweet Spot groups the original color and five complimentary colors.



82.2902, 0.2689, 0.3223



94.7381, 0.2988, 0.3271



82.3496, 0.3059, 0.4105



20.1062, 0.2966, 0.3268



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.



82.2902, 0.2689, 0.3223



81.9504, 0.2609, 0.3207



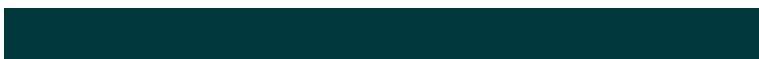
62.2127, 0.2642, 0.2804



19.3569, 0.2980, 0.3270



33.7795, 0.2177, 0.3037



3.1969, 0.2186, 0.3070



# Inverse Universe

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



58.7835, 0.3208, 0.2601



54.2814, 0.3228, 0.2458



74.7924, 0.3668, 0.3731



17.4992, 0.3150, 0.3075



13.8210, 0.3421, 0.1658

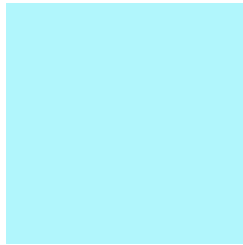


1.2870, 0.3393, 0.1643



# Previews

## White Background



This preview shows how the Yxy color 82.2869, 0.2689, 0.3223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

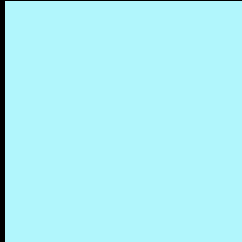
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.2869, 0.2689, 0.3223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

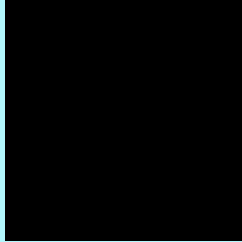
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.2869, 0.2689, 0.3223**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.2869, 0.2689, 0.3223.

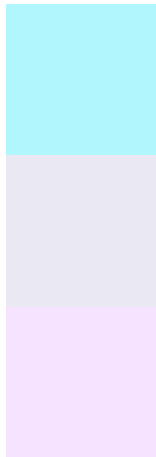


This preview shows how white text looks on a background with the Yxy color 82.2869, 0.2689, 0.3223.

# 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

82.2869, 0.2689, 0.3223

### Protanopia

81.6767, 0.3072, 0.3178

### Deuteranopia

81.5706, 0.3072, 0.3013



## Tritanopia

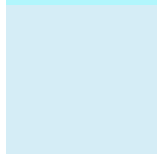
82.1364, 0.2783, 0.3140

# Trichromacy



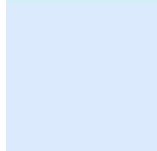
## Original Color

82.2869, 0.2689, 0.3223



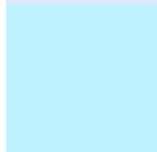
## Protanomaly

81.3683, 0.2919, 0.3195



## Deuteranomaly

81.2170, 0.2916, 0.3083



## Tritanomaly

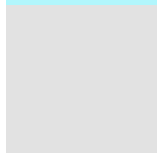
82.2041, 0.2745, 0.3171

# Monochromacy



## Original Color

82.2869, 0.2689, 0.3223



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

77.6859, 0.2951, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.2869, 0.2689, 0.3223 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(177, 246, 252)` looks like.

```
.text, #text, p{  
    color:rgb(177, 246, 252)  
}
```

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(177, 246, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 246, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 82.2869, 0.2689, 0.3223 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(177, 246, 252) }
```

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

```
.border{ border-color:rgb(177, 246, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 246, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 246, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 246, 252); box-shadow:4px 4px 4px 4px rgb(177, 246, 252) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.2869, 0.2689, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 246, 252) }
```

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

```
.background{ background-color: rgb(177,  
246, 252) }
```

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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