

# Converting Colors

$Yxy(86.4728, 0.2717, 0.3289)$

Have a look what the booklet for  
Yxy(86.4728, 0.2717, 0.3289)  
contains.

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# Color

**Yxy(86.4728, 0.2717, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FCFC
RGB	181, 252, 252
RGB Percent	71%, 99%, 99%
CMY	0.2902, 0.0117, 0.0118
CMYK	0.28, 0.00, 0.00, 0.01
HSL	180°, 92%, 85%
HSV	180°, 28%, 99%
XYZ	71.4341, 86.4728, 105.0083
YIQ	230.7710, -42.3160, -15.0520

# Conversions

## Conversions Part 2

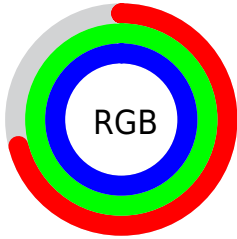
Format	Color
R <sub>Y</sub> B	181, 217, 252
Decimal	11926780
CIE Lab	94.51, -21.76, -7.06
CIE LCh	95, 22.874, 197.971
Yxy	86.4728, 0.2717, 0.3289
Android (android.graphics.Color)	4290116860 (0xFFB5FCFC)
YUV	230.7710, 10.4659, -43.6492
Hunter-Lab	92.9908, -25.6129, -1.8588

# Details

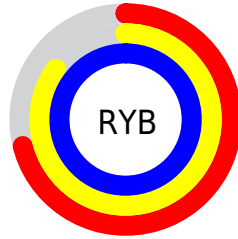
The Yxy color **86.4728, 0.2717, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.0804, 0.3749, 0.3292**, and the grayscale version is **79.6772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **47.4060, 0.2634, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **83.7000, 0.2595, 0.3289**, and if you desaturate by 10%, it is **89.8035, 0.2853, 0.3289**.

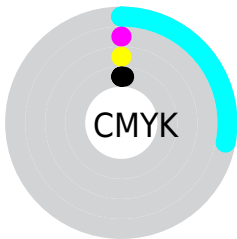
# Distribution



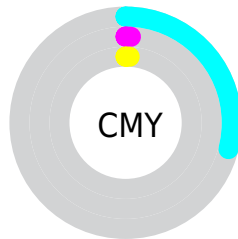
- Red (71%)
- Green (99%)
- Blue (99%)



- Red (71%)
- Yellow (85%)
- Blue (99%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (29%)
- Magenta (1%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4728, 0.2717, 0.3289 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 86.4728, 0.2717, 0.3289 by changing the saturation by 10% instead.




 86.4728, 0.2717,  
0.3289

 86.4728, 0.2717,  
0.3289


516.4889, 0.2899,  
0.3292

 65.0590, 0.2677,  
0.3288


 142.4291, 0.2779,  
0.3291

 47.5089, 0.2629,  
0.3286


177.7404, 0.2803,  
0.3291

 33.4382, 0.2569,  
0.3283

218.4529, 0.2824,  
0.3292

 22.4623, 0.2494,  
0.3278

264.9512, 0.2843,  
0.3292

 14.1970, 0.2394,  
0.3271

317.6195, 0.2859,  
0.3292

 8.2578, 0.2259,  
0.3259


376.8423, 0.2874,


 4.2604, 0.2063,


0.3292


0.3235

443.0040, 0.2887,  
0.3292


 1.8202, 0.1759,  
0.3184


 0.4997, 0.0000,  
0.3247


 86.4728, 0.2717,  
0.3289


 86.4728, 0.2717,  
0.3289


 83.7000, 0.2595,  
0.3289


 89.8035, 0.2853,  
0.3289


 81.4450, 0.2490,  
0.3289

 93.7092, 0.3000,  
0.3290


 79.6786, 0.2404,  
0.3288

 97.9143, 0.3146,  
0.3290


 78.3649, 0.2337,  
0.3288


 97.9148, 0.3146,  
0.3290


 77.4625, 0.2290,  
0.3288

 97.9153, 0.3146,  
0.3290


 76.9229, 0.2261,  
0.3288

 97.9158, 0.3146,  
0.3290

 76.6791, 0.2248,  
0.3288

 97.9163, 0.3146,  
0.3290

 76.6494, 0.2247,  
0.3288

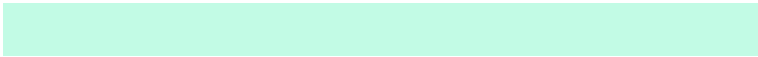
 97.9167, 0.3146,  
0.3290

 97.9172, 0.3146,  
0.3290

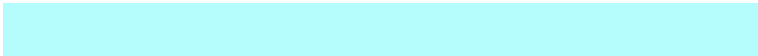
# Harmonies

## Analogous

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



86.4728, 0.2905, 0.3531



86.4728, 0.2717, 0.3289



86.4728, 0.2636, 0.3059

# Triad

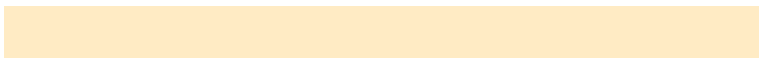
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4728, 0.2717, 0.3289



86.4728, 0.3079, 0.2916



86.4728, 0.3590, 0.3666

# Complementary

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



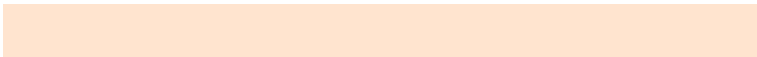
86.4728, 0.2717, 0.3289



57.0804, 0.3749, 0.3292

# 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.



86.4728, 0.3644, 0.3487



86.4728, 0.2717, 0.3289



86.4728, 0.3342, 0.3064

# Square

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



86.4728, 0.2717, 0.3289



86.4728, 0.2839, 0.2858



86.4728, 0.3553, 0.3269



86.4728, 0.3409, 0.3751

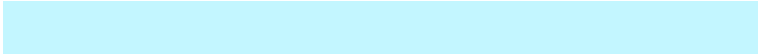


# Rectangle

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



86.4728, 0.2717, 0.3289



86.4728, 0.2652, 0.2946



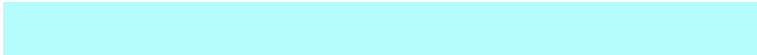
86.4728, 0.3553, 0.3269



86.4728, 0.3624, 0.3614

# Sweetspot

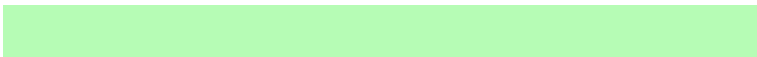
The Sweet Spot groups the original color and five complimentary colors.



86.4763, 0.2717, 0.3289



96.3338, 0.3003, 0.3290



82.9287, 0.3096, 0.4109



20.4814, 0.2980, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

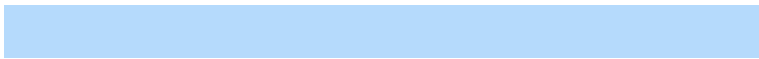
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4763, 0.2717, 0.3289



87.0961, 0.2644, 0.3289



66.8321, 0.2677, 0.2903



19.6085, 0.2980, 0.3290



39.9249, 0.2247, 0.3288



3.6978, 0.2247, 0.3288



# Inverse Universe

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



57.0804, 0.3749, 0.3292



52.2155, 0.3934, 0.3292



72.7963, 0.3651, 0.3647



17.2253, 0.3294, 0.3290



10.7806, 0.6400, 0.3300

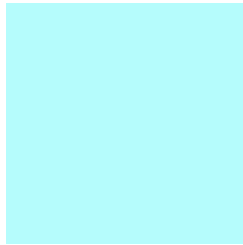


0.9985, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 86.4728, 0.2717, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

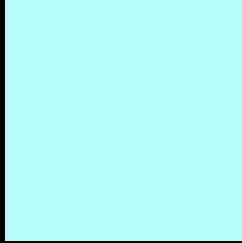
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4728, 0.2717, 0.3289 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 86.4728, 0.2717, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4728, 0.2717, 0.3289.

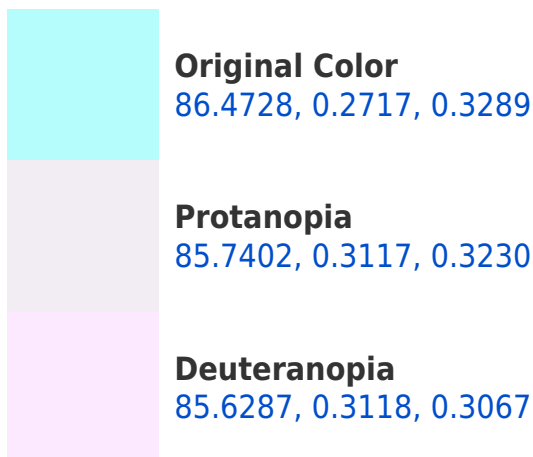


This preview shows how white text looks on a background with the Yxy color 86.4728, 0.2717, 0.3289.

# 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

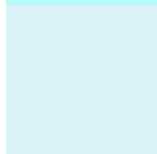
86.0675, 0.2872, 0.3176

# Trichromacy



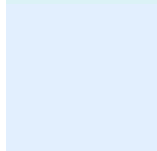
## Original Color

86.4728, 0.2717, 0.3289



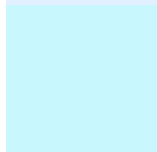
## Protanomaly

85.2182, 0.2958, 0.3248



## Deuteranomaly

85.0575, 0.2955, 0.3137



## Tritanomaly

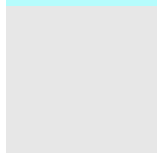
86.0948, 0.2810, 0.3215

# Monochromacy



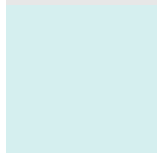
## Original Color

86.4728, 0.2717, 0.3289



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.1111, 0.2960, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4728, 0.2717, 0.3289 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(181, 252, 252)` looks like.

```
.text, #text, p{  
    color:rgb(181, 252, 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(181, 252, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 252, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4728, 0.2717, 0.3289 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(181, 252, 252) }
```

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

```
.border{ border-color:rgb(181, 252, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 252, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 252, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 252, 252);  
box-shadow:4px 4px 4px 4px rgb(181, 252,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4728, 0.2717, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 252, 252) }
```

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

```
.background{ background-color: rgb(181,  
252, 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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