

# Converting Colors

$Y_{xy}(82.9190, 0.2715, 0.3289)$

Have a look what the booklet for  
Yxy(82.9190, 0.2715, 0.3289)  
contains.

<b>Yxy(82.5840, 0.2715, 0.3289)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(82.5840, 0.2715, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1F7F7
RGB	177, 247, 247
RGB Percent	69%, 97%, 97%
CMY	0.3061, 0.0313, 0.0314
CMYK	0.28, 0.00, 0.00, 0.03
HSL	180°, 81%, 83%
HSV	180°, 28%, 97%
XYZ	68.1713, 82.5840, 100.3362
YIQ	226.0700, -41.7200, -14.8400

# Conversions

## Conversions Part 2

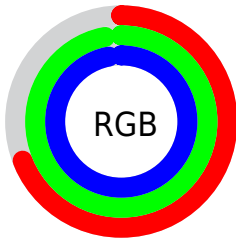
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 212, 247
Decimal	11663351
CIELab	92.83, -21.54, -6.98
CIELCh	93, 22.640, 197.963
Yxy	82.5840, 0.2715, 0.3289
Android (android.graphics.Color)	4289853431 (0xFFB1F7F7)
YUV	226.0700, 10.3185, -43.0344
Hunter-Lab	90.8757, -25.1290, -1.8492

# Details

The Yxy color **82.5840, 0.2715, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.3763, 0.3754, 0.3292**, and the grayscale version is **76.0481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **44.7261, 0.2624, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **79.9449, 0.2594, 0.3289**, and if you desaturate by 10%, it is **85.7546, 0.2851, 0.3289**.

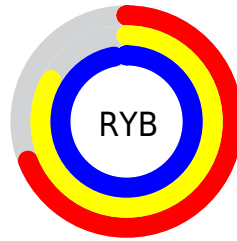
# Distribution



Red (69%)

Green (97%)

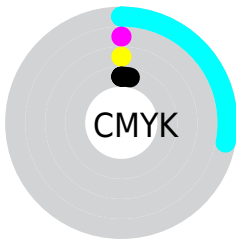
Blue (97%)



Red (69%)

Yellow (83%)

Blue (97%)

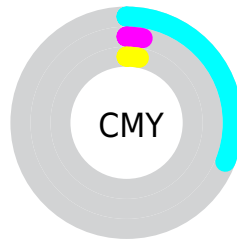


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (3%)



Cyan (31%)

Magenta (3%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5840, 0.2715, 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 82.5840, 0.2715, 0.3289 by changing the saturation by 10% instead.




 82.5840, 0.2715,  
0.3289

 82.5840, 0.2715,  
0.3289


503.5991, 0.2899,  
0.3292

 61.8470, 0.2674,  
0.3288


 136.9927, 0.2778,  
0.3291

 44.9091, 0.2625,  
0.3286

171.4332, 0.2802,  
0.3291

 31.3858, 0.2564,  
0.3283


211.2103, 0.2824,  
0.3292

 20.8928, 0.2485,  
0.3278

256.7084, 0.2843,  
0.3292

 13.0457, 0.2382,  
0.3270

308.3120, 0.2859,  
0.3292

 7.4600, 0.2239,  
0.3257


366.4053, 0.2874,


 3.7514, 0.2032,


0.3292


0.3231


431.3729, 0.2887,  
0.3292

 1.5355, 0.1703,  
0.3173


 0.3135, 0.0000,  
0.2743


 82.5840, 0.2715,  
0.3289


 82.5840, 0.2715,  
0.3289


 79.9449, 0.2594,  
0.3289


 85.7546, 0.2851,  
0.3289

 77.7991, 0.2489,  
0.3289


 89.4731, 0.2998,  
0.3290

 76.1189, 0.2403,  
0.3288

 93.7671, 0.3153,  
0.3290

 74.8697, 0.2337,  
0.3288


 94.5075, 0.3178,  
0.3290

 74.0123, 0.2290,  
0.3288


 94.5080, 0.3178,  
0.3290

 73.5003, 0.2261,  
0.3288

 94.5084, 0.3178,  
0.3290

 73.2684, 0.2248,  
0.3288

 94.5089, 0.3178,  
0.3290

 73.2422, 0.2247,  
0.3288

 94.5094, 0.3178,  
0.3290

 94.5098, 0.3178,  
0.3290

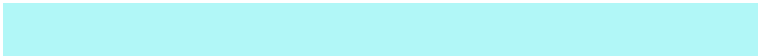
# Harmonies

## Analogous

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



82.5840, 0.2904, 0.3533



82.5840, 0.2715, 0.3289



82.5840, 0.2634, 0.3058

# Triad

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



82.5840, 0.2715, 0.3289



82.5840, 0.3079, 0.2915



82.5840, 0.3592, 0.3668

# Complementary

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



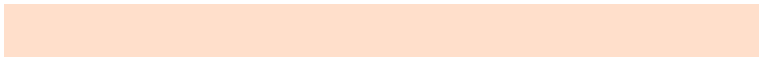
82.5840, 0.2715, 0.3289



54.3763, 0.3754, 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.



82.5840, 0.3647, 0.3488



82.5840, 0.2715, 0.3289



82.5840, 0.3343, 0.3063

# Square

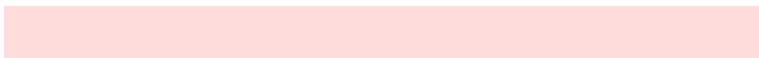
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5840, 0.2715, 0.3289



82.5840, 0.2837, 0.2856



82.5840, 0.3555, 0.3269

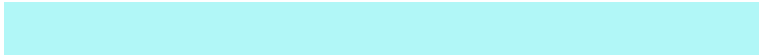


82.5840, 0.3411, 0.3754

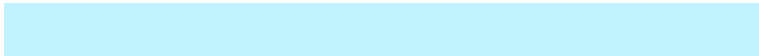


# Rectangle

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



82.5840, 0.2715, 0.3289



82.5840, 0.2649, 0.2944



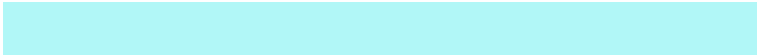
82.5840, 0.3555, 0.3269



82.5840, 0.3626, 0.3615

# Sweetspot

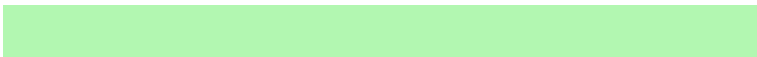
The Sweet Spot groups the original color and five complimentary colors.



82.5873, 0.2715, 0.3289



95.9037, 0.2988, 0.3290



79.1825, 0.3096, 0.4114



20.3958, 0.2966, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

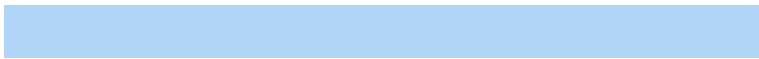
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5873, 0.2715, 0.3289



87.0961, 0.2644, 0.3289



63.7231, 0.2674, 0.2901



18.7578, 0.2981, 0.3290



38.7302, 0.2247, 0.3288



3.4040, 0.2247, 0.3288



# Inverse Universe

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



54.3763, 0.3754, 0.3292



52.2155, 0.3934, 0.3292



69.4469, 0.3654, 0.3649



16.4826, 0.3294, 0.3290



10.4580, 0.6400, 0.3300

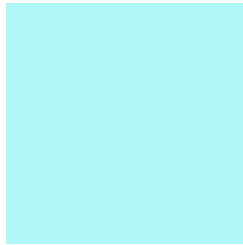


0.9192, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 82.5840, 0.2715, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

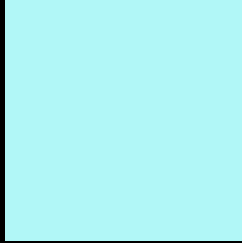
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5840, 0.2715, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

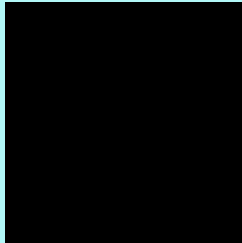
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.5840, 0.2715, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.5840, 0.2715, 0.3289.

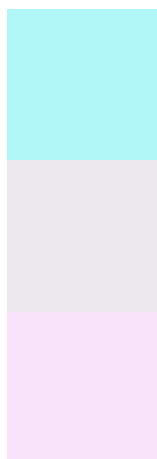


This preview shows how white text looks on a background with the Yxy color 82.5840, 0.2715, 0.3289.

# 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



### Original Color

82.5840, 0.2715, 0.3289

### Protanopia

81.7191, 0.3117, 0.3229

### Deuteranopia

81.8597, 0.3118, 0.3053



## Tritanopia

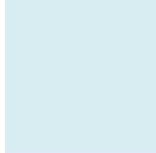
82.2727, 0.2789, 0.3141

# Trichromacy



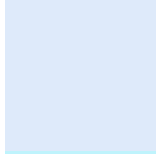
## Original Color

82.5840, 0.2715, 0.3289



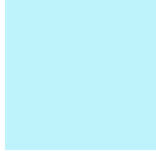
## Protanomaly

81.3663, 0.2961, 0.3247



## Deuteranomaly

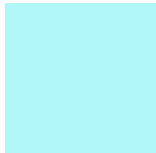
81.2774, 0.2952, 0.3124



## Tritanomaly

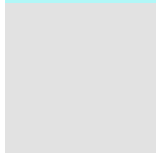
82.2058, 0.2761, 0.3192

# Monochromacy



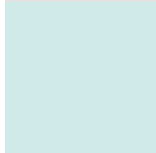
## Original Color

82.5840, 0.2715, 0.3289



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.1960, 0.2957, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5840, 0.2715, 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(177, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(177, 247, 247)  
}
```

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, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 247, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5840, 0.2715, 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(177, 247, 247) }
```

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

```
.border{ border-color:rgb(177, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(177, 247,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5840, 0.2715, 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(177, 247, 247) }
```

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

```
.background{ background-color: rgb(177,  
247, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor