

# Converting Colors

$Yxy(84.5975, 0.2754, 0.3198)$

Have a look what the booklet for  
Yxy(84.5975, 0.2754, 0.3198)  
contains.

<b>Yxy(84.3380, 0.2754, 0.3193)</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(84.3380, 0.2754, 0.3193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0F6FF
RGB	192, 246, 255
RGB Percent	75%, 96%, 100%
CMY	0.2471, 0.0353, 0.0000
CMYK	0.25, 0.04, 0.00, 0.00
HSL	189°, 100%, 88%
HSV	189°, 25%, 100%
XYZ	72.7425, 84.3380, 107.0535
YIQ	230.8800, -35.0730, -8.6490

# Conversions

## Conversions Part 2

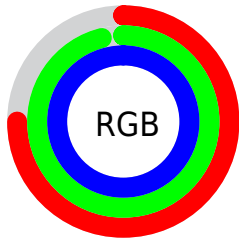
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 221, 255
Decimal	12646143
CIE Lab	93.60, -15.05, -9.91
CIE LCh	94, 18.018, 213.378
Yxy	84.3380, 0.2754, 0.3193
Android (android.graphics.Color)	4290836223 (0xFFC0F6FF)
YUV	230.8800, 11.8912, -34.0978
Hunter-Lab	91.8357, -19.3238, -4.8298

# Details

The Yxy color **84.3380, 0.2754, 0.3193** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8332, 0.3628, 0.3385**, and the grayscale version is **79.7477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **46.2225, 0.2676, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **79.1033, 0.2617, 0.3148**, and if you desaturate by 10%, it is **90.1993, 0.2901, 0.3235**.

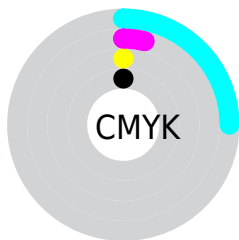
# Distribution



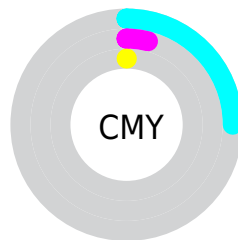
- Red (75%)
- Green (96%)
- Blue (100%)



- Red (75%)
- Yellow (87%)
- Blue (100%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3380, 0.2754, 0.3193 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 84.3380, 0.2754, 0.3193 by changing the saturation by 10% instead.




 84.3380, 0.2754,  
0.3193

 84.3380, 0.2754,  
0.3193

509.4350, 0.2920,  
0.3239

 63.2945, 0.2718,  
0.3182


 139.4479, 0.2810,  
0.3209

 46.0795, 0.2673,  
0.3169


174.2831, 0.2833,  
0.3216

 32.3086, 0.2618,  
0.3152


214.4844, 0.2852,  
0.3221

 21.5973, 0.2548,  
0.3129

260.4360, 0.2869,  
0.3226

 13.5613, 0.2456,  
0.3098

312.5225, 0.2884,  
0.3230

 7.8162, 0.2330,  
0.3052

371.1283, 0.2897,

 3.9776, 0.2147,

0.3233

0.2980

436.6376, 0.2909,  
0.3236

1.6610, 0.1860,  
0.2852

0.3982, 0.0072,  
0.2577

84.3380, 0.2754,  
0.3193

84.3380, 0.2754,  
0.3193

79.1033, 0.2617,  
0.3148

90.1993, 0.2901,  
0.3235

74.4553, 0.2491,  
0.3101

96.7052, 0.3054,  
0.3273

70.3648, 0.2382,  
0.3052

100.0000, 0.3127,  
0.3290

66.7957, 0.2290,  
0.3001

■ 63.7073, 0.2217,  
0.2950

■ 61.0524, 0.2164,  
0.2899

■ 58.7729, 0.2130,  
0.2848

■ 57.6751, 0.2117,  
0.2822

# Harmonies

## Analogous

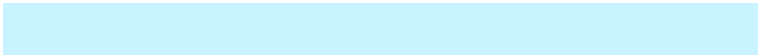
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3380, 0.2865, 0.3386



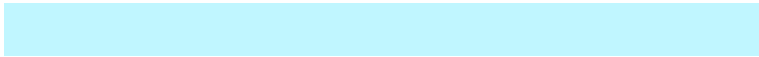
84.3380, 0.2754, 0.3193



84.3380, 0.2740, 0.3036

# Triad

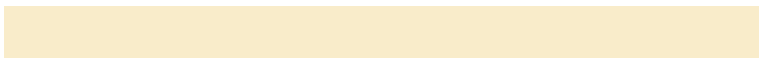
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3380, 0.2754, 0.3193



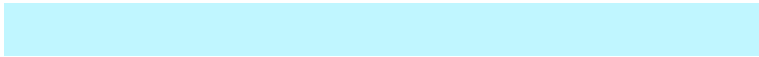
84.3380, 0.3199, 0.3044



84.3380, 0.3432, 0.3636

# Complementary

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



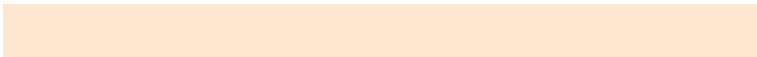
84.3380, 0.2754, 0.3193



66.8332, 0.3628, 0.3385

# 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.



84.3380, 0.3529, 0.3529



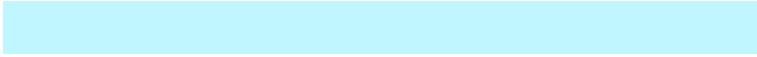
84.3380, 0.2754, 0.3193



84.3380, 0.3393, 0.3191

# Square

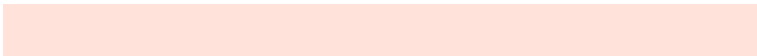
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3380, 0.2754, 0.3193



84.3380, 0.2991, 0.2957



84.3380, 0.3515, 0.3366



84.3380, 0.3254, 0.3649

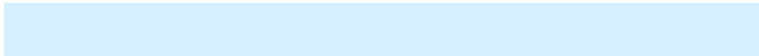


# Rectangle

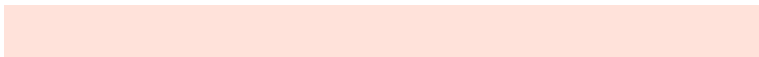
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



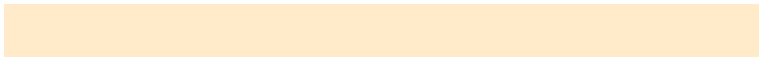
84.3380, 0.2754, 0.3193



84.3380, 0.2786, 0.2970



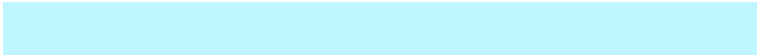
84.3380, 0.3515, 0.3366



84.3380, 0.3476, 0.3609

# Sweetspot

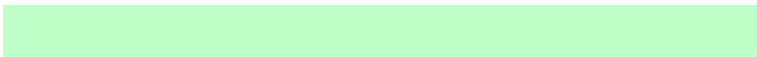
The Sweet Spot groups the original color and five complimentary colors.



84.3412, 0.2754, 0.3193



95.1554, 0.3018, 0.3265



86.9144, 0.3048, 0.3898



20.2811, 0.3009, 0.3262



0.0000, 0.0000, 0.0000

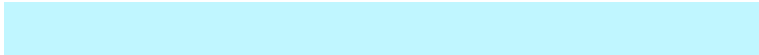


21.4041, 0.3127, 0.3290



# Same Dimension

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



84.3412, 0.2754, 0.3193



81.4939, 0.2680, 0.3170



67.0758, 0.2724, 0.2850



20.0133, 0.2980, 0.3255



30.3059, 0.2120, 0.2830



3.0666, 0.2136, 0.2888



# Inverse Universe

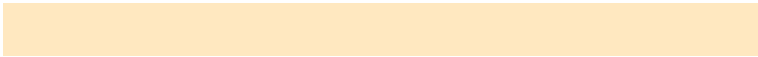
The Inverse Universe completely reimagines the original color for something new.



65.6111, 0.3222, 0.2755



59.8367, 0.3246, 0.2639



82.7213, 0.3554, 0.3694



18.2532, 0.3160, 0.3089



13.7874, 0.3607, 0.1761

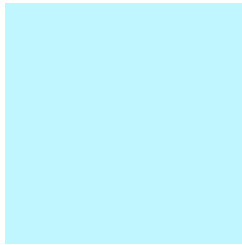


1.3541, 0.3555, 0.1732



# Previews

## White Background



This preview shows how the Yxy color 84.3380, 0.2754, 0.3193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

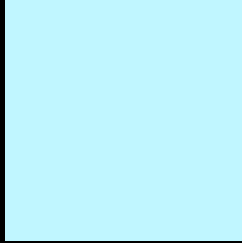
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3380, 0.2754, 0.3193 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

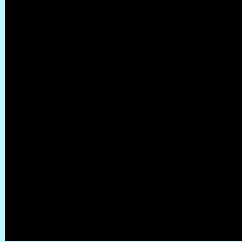
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

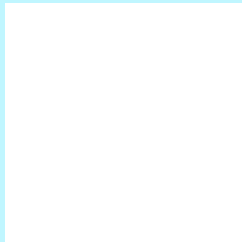
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.3380, 0.2754, 0.3193**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3380, 0.2754, 0.3193.

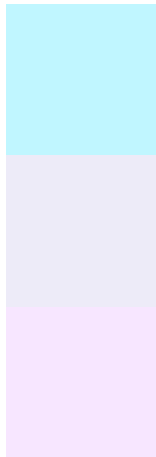


This preview shows how white text looks on a background with the Yxy color 84.3380, 0.2754, 0.3193.

# 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

84.3380, 0.2754, 0.3193

### Protanopia

84.1985, 0.3061, 0.3159

### Deuteranopia

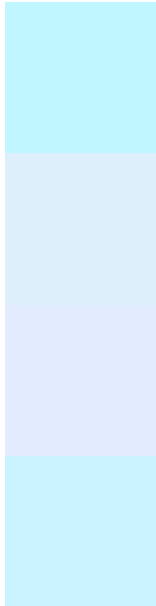
83.5878, 0.3085, 0.3044



## Tritanopia

84.2796, 0.2847, 0.3154

# Trichromacy



**Original Color**

84.3380, 0.2754, 0.3193

**Protanomaly**

84.0702, 0.2941, 0.3166

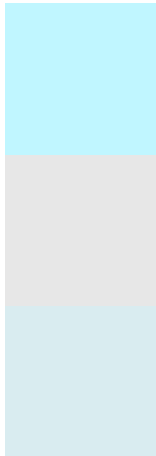
**Deuteranomaly**

83.5418, 0.2955, 0.3096

**Tritanomaly**

84.0177, 0.2813, 0.3163

# Monochromacy



**Original Color**

84.3380, 0.2754, 0.3193

**Achromatopsia**

79.9103, 0.3127, 0.3290

**Achromatomaly**

81.0339, 0.2979, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3380, 0.2754, 0.3193 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(192, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 246, 255)  
}
```

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(192, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3380, 0.2754, 0.3193 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(192, 246, 255) }
```

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

```
.border{ border-color:rgb(192, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 246,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3380, 0.2754, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 246, 255) }
```

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

```
.background{ background-color: rgb(192,  
246, 255) }
```

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