

# Converting Colors

$Yxy(93.7272, 0.2297, 0.2253)$

Have a look what the booklet for  
Yxy(93.7272, 0.2297, 0.2253)  
contains.

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# Color

**Yxy(84.9480, 0.2755, 0.3204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0F7FF
RGB	192, 247, 255
RGB Percent	75%, 97%, 100%
CMY	0.2471, 0.0313, 0.0001
CMYK	0.25, 0.03, 0.00, 0.00
HSL	188°, 100%, 88%
HSV	188°, 25%, 100%
XYZ	73.0436, 84.9480, 107.1395
YIQ	231.4670, -35.3480, -9.1720

# Conversions

## Conversions Part 2

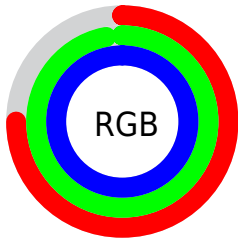
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 221, 255
Decimal	12646399
CIE <sub>Lab</sub>	93.86, -15.55, -9.51
CIE <sub>LCh</sub>	94, 18.231, 211.449
Yxy	84.9480, 0.2755, 0.3204
Android (android.graphics.Color)	4290836479 (0xFFC0F7FF)
YUV	231.4670, 11.6018, -34.6126
Hunter-Lab	92.1672, -19.8293, -4.4044

# Details

The Yxy color **84.9480, 0.2755, 0.3204** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3523, 0.3630, 0.3374**, and the grayscale version is **80.2082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **46.6572, 0.2678, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **79.9496, 0.2619, 0.3164**, and if you desaturate by 10%, it is **90.5641, 0.2901, 0.3241**.

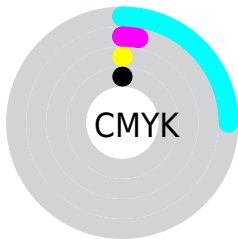
# Distribution



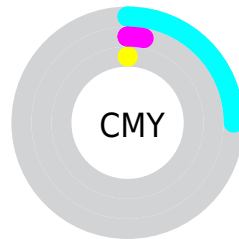
- Red (75%)
- Green (97%)
- Blue (100%)



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



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9480, 0.2755, 0.3204 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 84.9480, 0.2755, 0.3204 by changing the saturation by 10% instead.



84.9480, 0.2755,  
0.3204

84.9480, 0.2755,  
0.3204

511.4560, 0.2920,  
0.3245

63.7984, 0.2719,  
0.3194

140.3005, 0.2811,  
0.3219

46.4874, 0.2675,  
0.3182

175.2722, 0.2833,  
0.3224

32.6306, 0.2620,  
0.3167

215.6201, 0.2853,  
0.3229

21.8436, 0.2551,  
0.3146

261.7286, 0.2870,  
0.3233

13.7420, 0.2459,  
0.3118

313.9820, 0.2884,  
0.3237

7.9415, 0.2334,  
0.3077

372.7648, 0.2898,

4.0575, 0.2153,

0.3240

0.3011

438.4613, 0.2910,  
0.3243

1.7058, 0.1869,  
0.2893

0.4274, 0.0167,  
0.2681

84.9480, 0.2755,  
0.3204

84.9480, 0.2755,  
0.3204

79.9496, 0.2619,  
0.3164

90.5641, 0.2901,  
0.3241

75.5285, 0.2495,  
0.3123

96.8152, 0.3054,  
0.3275

71.6557, 0.2388,  
0.3079

99.9990, 0.3127,  
0.3290

68.2953, 0.2298,  
0.3035

■ 65.4066, 0.2227,  
0.2989

■ 62.9424, 0.2177,  
0.2944

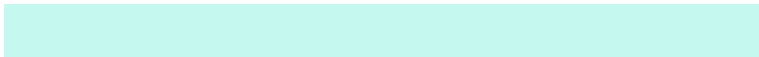
■ 60.8450, 0.2144,  
0.2900

■ 59.8396, 0.2133,  
0.2877

# Harmonies

## Analogous

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



84.9480, 0.2872, 0.3399



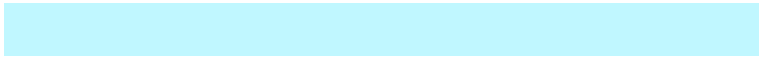
84.9480, 0.2755, 0.3204



84.9480, 0.2734, 0.3041

# Triad

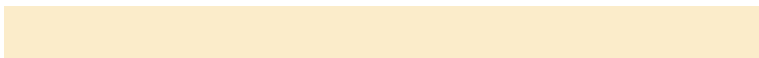
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9480, 0.2755, 0.3204



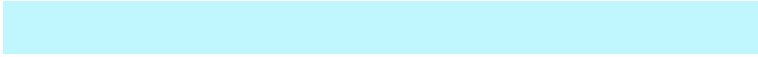
84.9480, 0.3186, 0.3034



84.9480, 0.3444, 0.3634

# Complementary

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



84.9480, 0.2755, 0.3204



66.3523, 0.3630, 0.3374

# 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.



84.9480, 0.3536, 0.3522



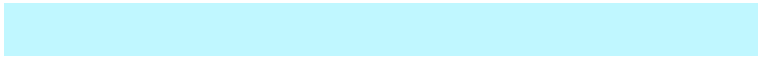
84.9480, 0.2755, 0.3204



84.9480, 0.3384, 0.3179

# Square

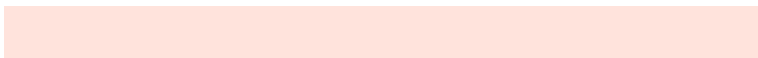
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9480, 0.2755, 0.3204



84.9480, 0.2977, 0.2951



84.9480, 0.3514, 0.3356

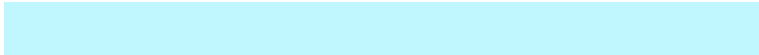


84.9480, 0.3268, 0.3654

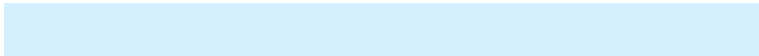


# Rectangle

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



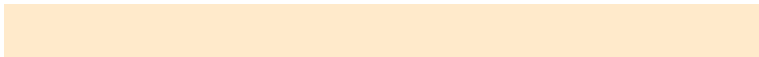
84.9480, 0.2755, 0.3204



84.9480, 0.2777, 0.2972



84.9480, 0.3514, 0.3356



84.9480, 0.3486, 0.3606

# Sweetspot

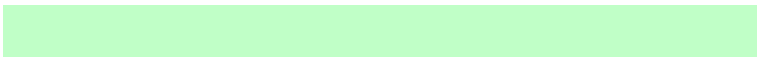
The Sweet Spot groups the original color and five complimentary colors.



84.9514, 0.2755, 0.3204



95.3373, 0.3018, 0.3268



86.8536, 0.3054, 0.3910



20.3233, 0.3009, 0.3265



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

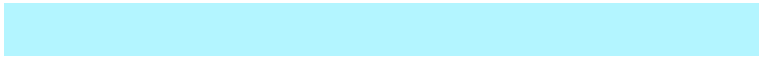


# Same Dimension

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



84.9514, 0.2755, 0.3204



82.2412, 0.2681, 0.3183



67.6049, 0.2725, 0.2862



20.0659, 0.2980, 0.3259



31.4259, 0.2135, 0.2884



3.1649, 0.2149, 0.2935



# Inverse Universe

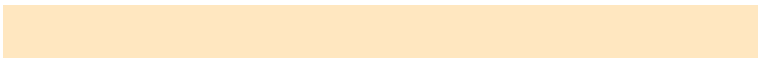
The Inverse Universe completely reimagines the original color for something new.



65.6664, 0.3214, 0.2746



59.9121, 0.3236, 0.2628



82.1216, 0.3556, 0.3684



18.2585, 0.3157, 0.3085



13.9004, 0.3558, 0.1733



1.3640, 0.3512, 0.1708



# Previews

## White Background



This preview shows how the Yxy color 84.9480, 0.2755, 0.3204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

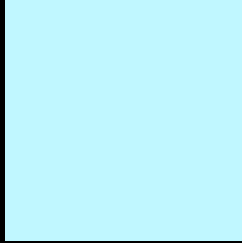
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9480, 0.2755, 0.3204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

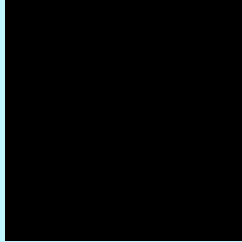
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.9480, 0.2755, 0.3204**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9480, 0.2755, 0.3204.

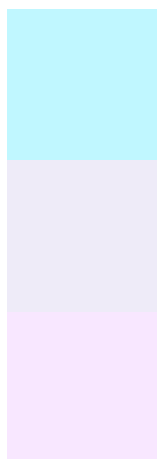


This preview shows how white text looks on a background with the Yxy color 84.9480, 0.2755, 0.3204.

# 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

84.9480, 0.2755, 0.3204

### Protanopia

84.3711, 0.3067, 0.3159

### Deuteranopia

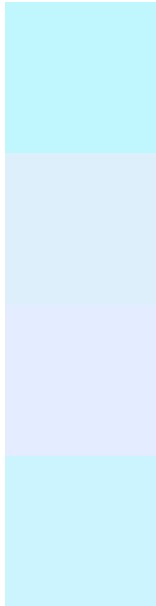
84.3283, 0.3091, 0.3055



## Tritanopia

84.5731, 0.2859, 0.3154

# Trichromacy



**Original Color**

84.9480, 0.2755, 0.3204

**Protanomaly**

84.0702, 0.2941, 0.3166

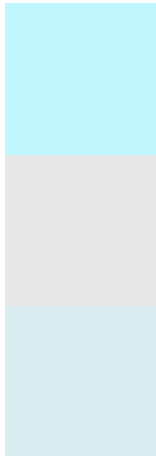
**Deuteranomaly**

84.2824, 0.2961, 0.3107

**Tritanomaly**

84.7587, 0.2820, 0.3174

# Monochromacy



**Original Color**

84.9480, 0.2755, 0.3204

**Achromatopsia**

79.9103, 0.3127, 0.3290

**Achromatomaly**

81.6114, 0.2979, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9480, 0.2755, 0.3204 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 247, 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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 247, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9480, 0.2755, 0.3204 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, 247, 255) }
```

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

```
.border{ border-color:rgb(192, 247, 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, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 247,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9480, 0.2755, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 247, 255) }
```

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

```
.background{ background-color: rgb(192,  
247, 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](#).

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