

# Converting Colors

$Yxy(92.5708, 0.2746, 0.3756)$

Have a look what the booklet for  
Yxy(92.5708, 0.2746, 0.3756)  
contains.

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# Color

**Yxy(84.2801, 0.2732, 0.3621)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFFE2
RGB	158, 255, 226
RGB Percent	62%, 100%, 89%
CMY	0.3804, 0.0000, 0.1136
CMYK	0.38, 0.00, 0.11, 0.00
HSL	162°, 100%, 81%
HSV	162°, 38%, 100%
XYZ	63.5883, 84.2801, 84.8853
YIQ	222.6910, -48.5030, -29.5830

# Conversions

## Conversions Part 2

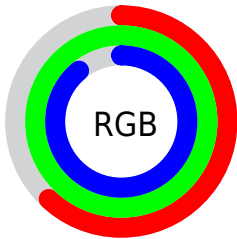
Format	Color
R <sub>Y</sub> B	158, 215, 255
Decimal	10420194
CIE Lab	93.57, -34.99, 4.85
CIE LCh	94, 35.324, 172.116
Yxy	84.2801, 0.2732, 0.3621
Android (android.graphics.Color)	4288610274 (0xFF9EFFE2)
YUV	222.6910, 1.6313, -56.7340
Hunter-Lab	91.8042, -37.0191, 9.4414

# Details

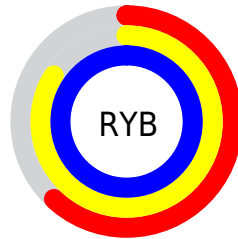
The Yxy color **84.2801, 0.2732, 0.3621** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.2953, 0.3785, 0.2989**, and the grayscale version is **73.5737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **46.1532, 0.2645, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **81.5483, 0.2652, 0.3725**, and if you desaturate by 10%, it is **87.5670, 0.2825, 0.3523**.

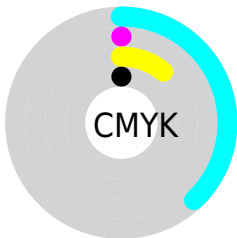
# Distribution



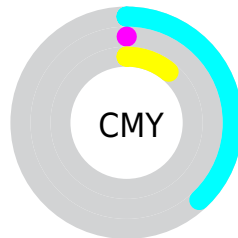
- Red (62%)
- Green (100%)
- Blue (89%)



- Red (62%)
- Yellow (84%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2801, 0.2732, 0.3621 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 84.2801, 0.2732, 0.3621 by changing the saturation by 10% instead.




 84.2801, 0.2732,  
0.3621


 84.2801, 0.2732,  
0.3621


509.2429, 0.2911,  
0.3469

 63.2467, 0.2692,  
0.3655

 139.3669, 0.2793,  
0.3569

 46.0408, 0.2643,  
0.3698


 174.1892, 0.2817,  
0.3548

 32.2780, 0.2582,  
0.3751


214.3765, 0.2838,  
0.3530

 21.5740, 0.2503,  
0.3821

260.3132, 0.2857,  
0.3515

 13.5442, 0.2398,  
0.3915

312.3839, 0.2873,  
0.3501

 7.8043, 0.2251,  
0.4049

370.9728, 0.2887,

 3.9700, 0.2031,

0.3489

0.4255

436.4643, 0.2900,  
0.3479

1.6568, 0.1609,  
0.4644

0.3954, 0.0000,  
0.8116

84.2801, 0.2732,  
0.3621

84.2801, 0.2732,  
0.3621

81.5483, 0.2652,  
0.3725

87.5670, 0.2825,  
0.3523

79.3378, 0.2589,  
0.3835

91.4397, 0.2927,  
0.3433

77.6112, 0.2543,  
0.3948

95.9266, 0.3036,  
0.3350

76.3260, 0.2518,  
0.4063

100.0000, 0.3127,  
0.3290

■ 75.4320, 0.2514,  
0.4178

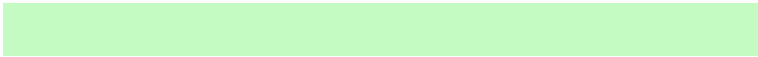
■ 74.8610, 0.2528,  
0.4292

■ 74.7683, 0.2532,  
0.4314

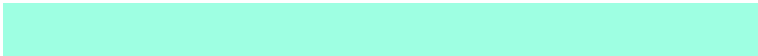
# Harmonies

## Analogous

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



84.2801, 0.3109, 0.3926



84.2801, 0.2732, 0.3621



84.2801, 0.2471, 0.3224

# Triad

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



84.2801, 0.2732, 0.3621



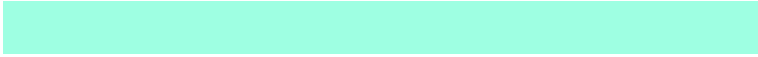
84.2801, 0.2725, 0.2638



84.2801, 0.3938, 0.3621

# Complementary

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



84.2801, 0.2732, 0.3621



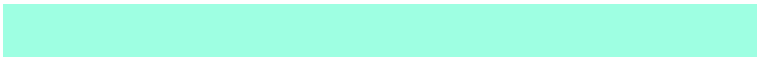
49.2953, 0.3785, 0.2989

# 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.



84.2801, 0.3827, 0.3293



84.2801, 0.2732, 0.3621



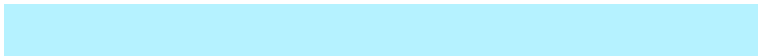
84.2801, 0.3104, 0.2749

# Square

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



84.2801, 0.2732, 0.3621



84.2801, 0.2468, 0.2678



84.2801, 0.3513, 0.2983



84.2801, 0.3815, 0.3893



# Rectangle

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



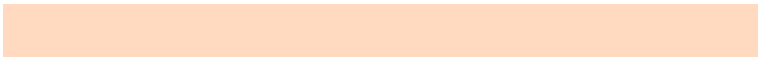
84.2801, 0.2732, 0.3621



84.2801, 0.2389, 0.2983



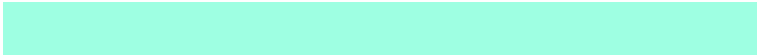
84.2801, 0.3513, 0.2983



84.2801, 0.3927, 0.3514

# Sweetspot

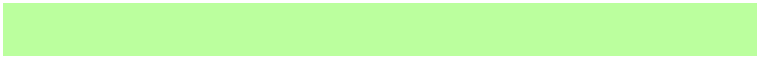
The Sweet Spot groups the original color and five complimentary colors.



84.2802, 0.2732, 0.3621



94.5349, 0.3003, 0.3374



84.5644, 0.3246, 0.4396



20.1017, 0.2989, 0.3385



0.0000, 0.0000, 0.0000

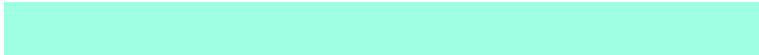


21.4041, 0.3127, 0.3290

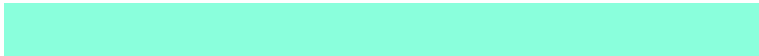


# Same Dimension

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



84.2802, 0.2732, 0.3621



82.0633, 0.2667, 0.3704



74.2470, 0.2564, 0.3069



20.3836, 0.3020, 0.3362



39.0957, 0.2526, 0.4295



3.8259, 0.2490, 0.4165



# Inverse Universe

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



49.2953, 0.3785, 0.2989



42.3578, 0.3995, 0.2928



55.3265, 0.3995, 0.3497



18.0764, 0.3247, 0.3219



11.4054, 0.5773, 0.2954

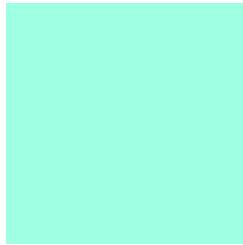


1.1288, 0.5453, 0.2778



# Previews

## White Background



This preview shows how the Yxy color 84.2801, 0.2732, 0.3621 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

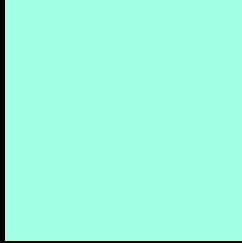
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2801, 0.2732, 0.3621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

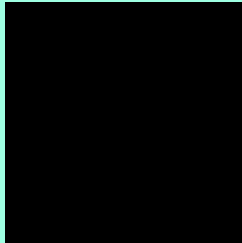
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

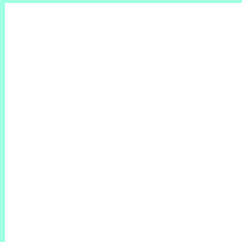
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.2801, 0.2732, 0.3621**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2801, 0.2732, 0.3621.

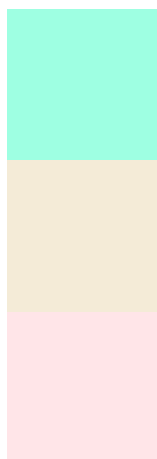


This preview shows how white text looks on a background with the Yxy color 84.2801, 0.2732, 0.3621.

# 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

84.2801, 0.2732, 0.3621

### Protanopia

83.5561, 0.3316, 0.3495

### Deuteranopia

83.1248, 0.3288, 0.3261



## Tritanopia

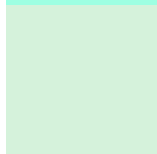
83.7387, 0.2802, 0.3162

# Trichromacy



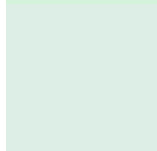
## Original Color

84.2801, 0.2732, 0.3621



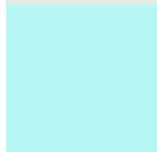
## Protanomaly

82.7649, 0.3077, 0.3538



## Deuteranomaly

82.0779, 0.3058, 0.3374



## Tritanomaly

83.3675, 0.2773, 0.3322

# Monochromacy



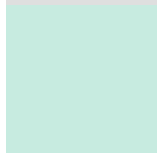
## Original Color

84.2801, 0.2732, 0.3621



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

76.9406, 0.2958, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2801, 0.2732, 0.3621 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(158, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 226)  
}
```

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(158, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2801, 0.2732, 0.3621 is called "border". The border property can be set on classes, ids or directly on the HTML element.

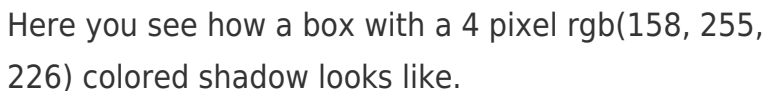
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 255, 226) }
```

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

```
.border{ border-color:rgb(158, 255, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2801, 0.2732, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 226) }
```

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

```
.background{ background-color: rgb(158,  
255, 226) }
```

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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