

# Converting Colors

$Y_{xy}(100.0000, 0.2922, 0.3794)$

Have a look what the booklet for  
Yxy(100.0000, 0.2922, 0.3794)  
contains.

<b>Yxy(88.1627, 0.2916, 0.3617)</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(88.1627, 0.2916, 0.3617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FFE1
RGB	192, 255, 225
RGB Percent	75%, 100%, 88%
CMY	0.2473, 0.0000, 0.1176
CMYK	0.25, 0.00, 0.12, 0.00
HSL	151°, 100%, 88%
HSV	151°, 25%, 100%
XYZ	71.0761, 88.1627, 84.5065
YIQ	232.7430, -27.9180, -22.6860

# Conversions

## Conversions Part 2

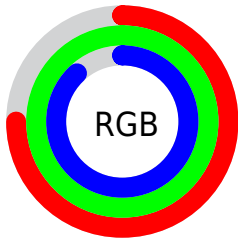
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 233, 255
Decimal	12648417
CIELab	95.23, -25.60, 7.98
CIELCh	95, 26.816, 162.694
Yxy	88.1627, 0.2916, 0.3617
Android (android.graphics.Color)	4290838497 (0xFFC0FFE1)
YUV	232.7430, -3.8173, -35.7316
Hunter-Lab	93.8950, -29.1962, 12.3648

# Details

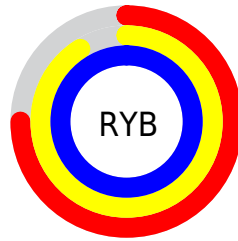
The Yxy color **88.1627, 0.2916, 0.3617** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.2003, 0.3406, 0.2986**, and the grayscale version is **81.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **48.6088, 0.2865, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **84.4717, 0.2840, 0.3773**, and if you desaturate by 10%, it is **92.4604, 0.2999, 0.3474**.

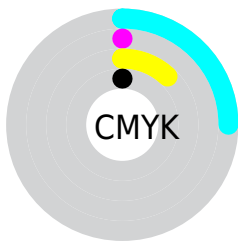
# Distribution



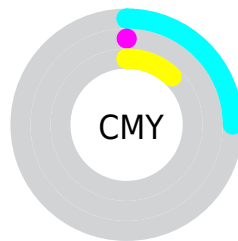
- Red (75%)
- Green (100%)
- Blue (88%)



- Red (75%)
- Yellow (91%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1627, 0.2916, 0.3617 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 88.1627, 0.2916, 0.3617 by changing the saturation by 10% instead.




 88.1627, 0.2916,  
0.3617

 88.1627, 0.2916,  
0.3617


522.0359, 0.3012,  
0.3467

 66.4578, 0.2894,  
0.3651


 144.7836, 0.2949,  
0.3565

 48.6441, 0.2868,  
0.3693


180.4685, 0.2962,  
0.3545

 34.3373, 0.2835,  
0.3745


221.5821, 0.2973,  
0.3528

 23.1528, 0.2792,  
0.3814

268.5090, 0.2983,  
0.3512

 14.7064, 0.2734,  
0.3906

321.6334, 0.2992,  
0.3499

 8.6136, 0.2652,  
0.4038

381.3397, 0.2999,

 4.4900, 0.2528,

0.3487

0.4241

448.0124, 0.3006,  
0.3477

■ 1.9513, 0.2318,  
0.4592

■ 0.5789, 0.0000,  
0.8885

■ 88.1627, 0.2916,  
0.3617

■ 88.1627, 0.2916,  
0.3617

■ 84.4717, 0.2840,  
0.3773

■ 92.4604, 0.2999,  
0.3474


■ 81.3820, 0.2773,  
0.3943

■ 97.4187, 0.3086,  
0.3346

■ 78.8519, 0.2720,  
0.4122


100.0000, 0.3127,  
0.3290

■ 76.8443, 0.2683,  
0.4309

 75.3180, 0.2666,  
0.4498

 74.2247, 0.2669,  
0.4686

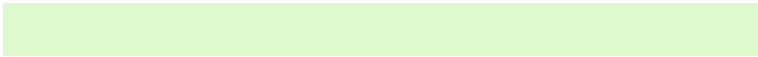
 73.5054, 0.2692,  
0.4866

 73.2333, 0.2710,  
0.4957

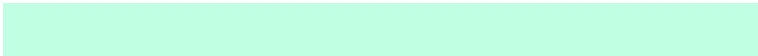
# Harmonies

## Analogous

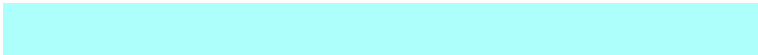
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1627, 0.3215, 0.3798



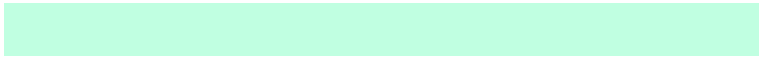
88.1627, 0.2916, 0.3617



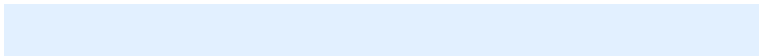
88.1627, 0.2681, 0.3338

# Triad

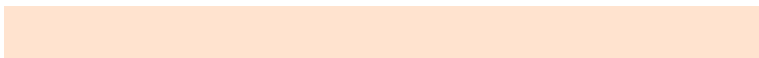
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1627, 0.2916, 0.3617



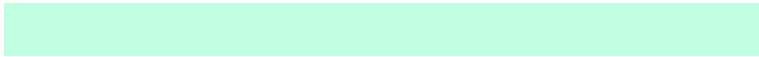
88.1627, 0.2751, 0.2790



88.1627, 0.3724, 0.3472

# Complementary

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



88.1627, 0.2916, 0.3617



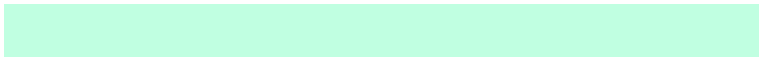
64.2003, 0.3406, 0.2986

# 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.



88.1627, 0.3589, 0.3219



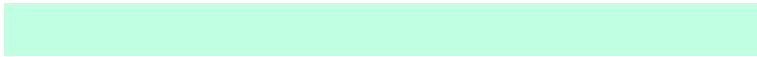
88.1627, 0.2916, 0.3617



88.1627, 0.3017, 0.2839

# Square

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



88.1627, 0.2916, 0.3617



88.1627, 0.2590, 0.2866



88.1627, 0.3325, 0.2993

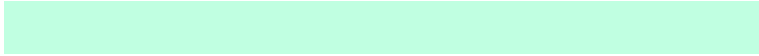


88.1627, 0.3689, 0.3694



# Rectangle

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



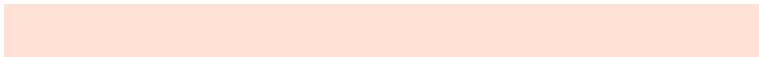
88.1627, 0.2916, 0.3617



88.1627, 0.2589, 0.3148



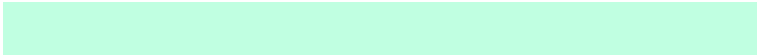
88.1627, 0.3325, 0.2993



88.1627, 0.3697, 0.3388

# Sweetspot

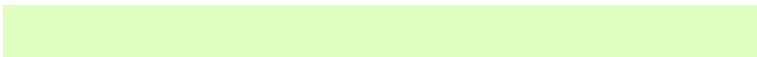
The Sweet Spot groups the original color and five complimentary colors.



88.1542, 0.2916, 0.3617



96.2355, 0.3066, 0.3374



90.9181, 0.3286, 0.3956



20.5322, 0.3060, 0.3381



0.0000, 0.0000, 0.0000

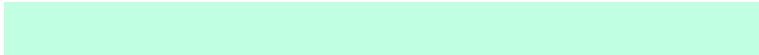


21.4041, 0.3127, 0.3290

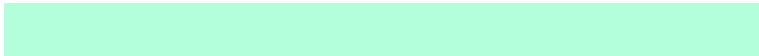


# Same Dimension

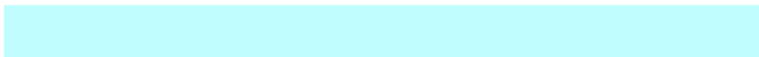
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1542, 0.2916, 0.3617



86.1384, 0.2875, 0.3698



89.2690, 0.2761, 0.3278



20.3273, 0.3044, 0.3405



38.2964, 0.2702, 0.4928



3.7509, 0.2646, 0.4727



# Inverse Universe

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



64.2003, 0.3406, 0.2986



58.2005, 0.3484, 0.2917



63.1960, 0.3648, 0.3302



18.1310, 0.3219, 0.3177



11.8635, 0.5068, 0.2565

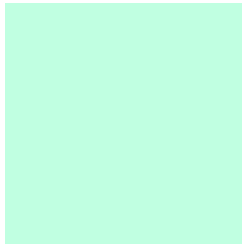


1.1770, 0.4800, 0.2418



# Previews

## White Background



This preview shows how the Yxy color 88.1627, 0.2916, 0.3617 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

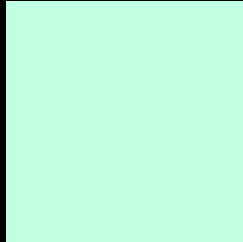
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.1627, 0.2916, 0.3617 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

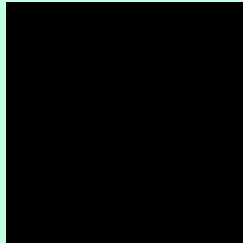
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

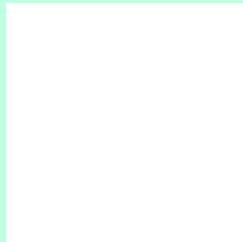
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.1627, 0.2916, 0.3617**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.1627, 0.2916, 0.3617.

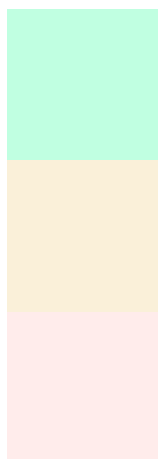


This preview shows how white text looks on a background with the Yxy color 88.1627, 0.2916, 0.3617.

# 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

88.1627, 0.2916, 0.3617

### Protanopia

87.6539, 0.3338, 0.3521

### Deuteranopia

87.2491, 0.3262, 0.3300



## Tritanopia

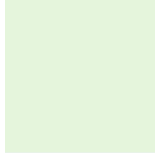
88.0544, 0.2926, 0.3188

# Trichromacy



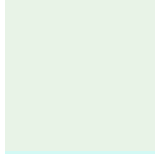
## Original Color

88.1627, 0.2916, 0.3617



## Protanomaly

87.1301, 0.3173, 0.3550



## Deuteranomaly

87.0265, 0.3128, 0.3413



## Tritanomaly

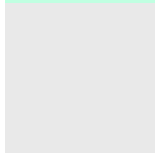
88.1319, 0.2922, 0.3342

# Monochromacy



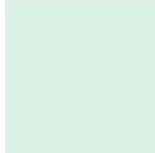
## Original Color

88.1627, 0.2916, 0.3617



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.5292, 0.3044, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.1627, 0.2916, 0.3617 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, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 225)  
}
```

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, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 88.1627, 0.2916, 0.3617 is called "border". The border property can be set on classes, ids or directly on the HTML element.

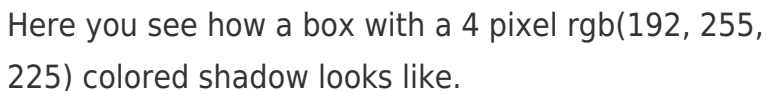
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(192, 255, 225) }
```

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

```
.border{ border-color:rgb(192, 255, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(192, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 255, 225); box-shadow:4px 4px 4px 4px rgb(192, 255, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.1627, 0.2916, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 225) }
```

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

```
.background{ background-color: rgb(192,  
255, 225) }
```

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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