

# Converting Colors

$Y_{xy}(100.0000, 0.2861, 0.3668)$

Have a look what the booklet for  
Yxy(100.0000, 0.2861, 0.3668)  
contains.

<b>Yxy(88.6525, 0.2853, 0.3494)</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(88.6525, 0.2853, 0.3494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF FEC
RGB	191, 255, 236
RGB Percent	75%, 100%, 93%
CMY	0.2510, 0.0000, 0.0743
CMYK	0.25, 0.00, 0.07, 0.00
HSL	162°, 100%, 87%
HSV	162°, 25%, 100%
XYZ	72.3885, 88.6525, 92.6868
YIQ	233.6980, -32.0450, -19.4770

# Conversions

## Conversions Part 2

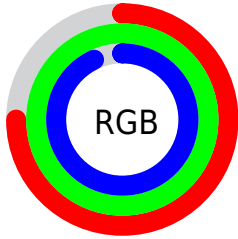
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 229, 255
Decimal	12582892
CIELab	95.44, -23.71, 2.58
CIELCh	95, 23.852, 173.784
Yxy	88.6525, 0.2853, 0.3494
Android (android.graphics.Color)	4290772972 (0xFFBFFFE0)
YUV	233.6980, 1.1349, -37.4461
Hunter-Lab	94.1555, -27.5378, 7.5437

# Details

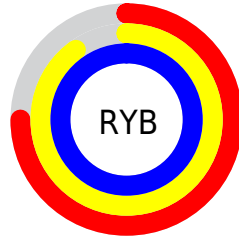
The Yxy color **88.6525, 0.2853, 0.3494** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.1665, 0.3504, 0.3096**, and the grayscale version is **82.0490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **48.9177, 0.2794, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **85.2007, 0.2757, 0.3589**, and if you desaturate by 10%, it is **92.7005, 0.2958, 0.3407**.

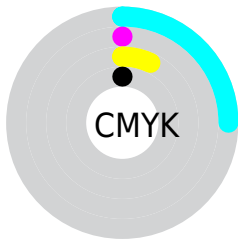
# Distribution



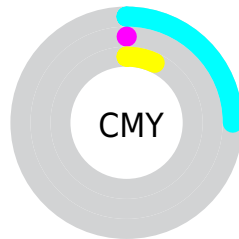
- Red (75%)
- Green (100%)
- Blue (93%)



- Red (75%)
- Yellow (90%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6525, 0.2853, 0.3494 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 88.6525, 0.2853, 0.3494 by changing the saturation by 10% instead.



 88.6525, 0.2853,  
0.3494

 88.6525, 0.2853,  
0.3494

523.6377, 0.2976,  
0.3402

 66.8636, 0.2826,  
0.3514


 145.4652, 0.2895,  
0.3463

 48.9738, 0.2793,  
0.3540


181.2578, 0.2911,  
0.3450

 34.5987, 0.2752,  
0.3571


222.4871, 0.2926,  
0.3439

 23.3539, 0.2699,  
0.3611

269.5375, 0.2938,  
0.3430

 14.8550, 0.2629,  
0.3665

322.7933, 0.2949,  
0.3422

 8.7177, 0.2532,  
0.3741

382.6391, 0.2959,

 4.5575, 0.2389,

0.3414

0.3854

449.4590, 0.2968,  
0.3408

1.9901, 0.2157,  
0.4042

0.6017, 0.0000,  
0.5591

88.6525, 0.2853,  
0.3494

88.6525, 0.2853,  
0.3494

85.2007, 0.2757,  
0.3589

92.7005, 0.2958,  
0.3407


82.3119, 0.2673,  
0.3690

97.3694, 0.3069,  
0.3327


79.9543, 0.2604,  
0.3798

100.0000, 0.3127,  
0.3290

78.0919, 0.2553,  
0.3909

 76.6836, 0.2522,  
0.4023

 75.6821, 0.2511,  
0.4137

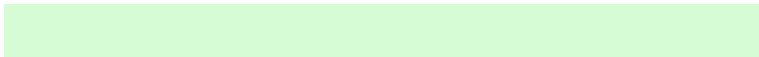
 75.0286, 0.2520,  
0.4250

 74.7947, 0.2529,  
0.4304

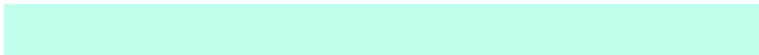
# Harmonies

## Analogous

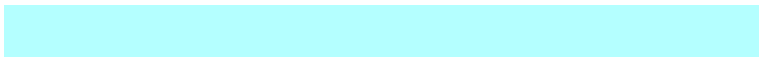
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6525, 0.3106, 0.3694



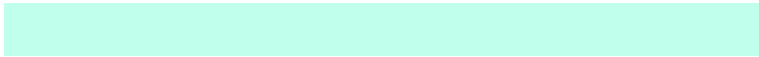
88.6525, 0.2853, 0.3494



88.6525, 0.2678, 0.3239

# Triad

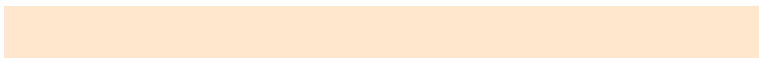
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6525, 0.2853, 0.3494



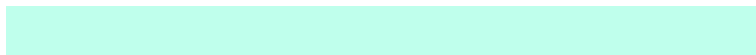
88.6525, 0.2872, 0.2847



88.6525, 0.3663, 0.3534

# Complementary

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



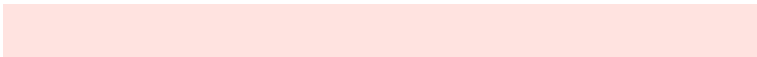
88.6525, 0.2853, 0.3494



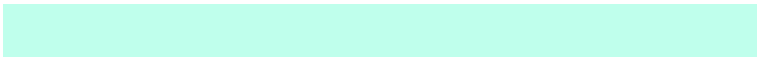
63.1665, 0.3504, 0.3096

# 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.



88.6525, 0.3597, 0.3312



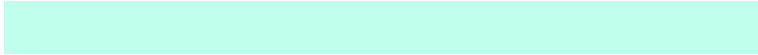
88.6525, 0.2853, 0.3494



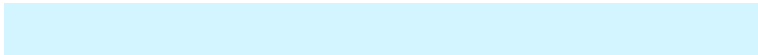
88.6525, 0.3131, 0.2928

# Square

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



88.6525, 0.2853, 0.3494



88.6525, 0.2688, 0.2874



88.6525, 0.3399, 0.3094

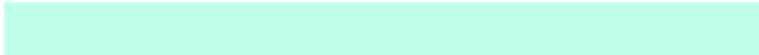


88.6525, 0.3578, 0.3705



# Rectangle

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



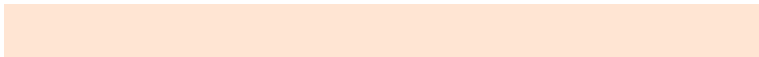
88.6525, 0.2853, 0.3494



88.6525, 0.2624, 0.3081



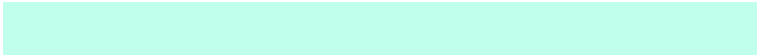
88.6525, 0.3399, 0.3094



88.6525, 0.3658, 0.3463

# Sweetspot

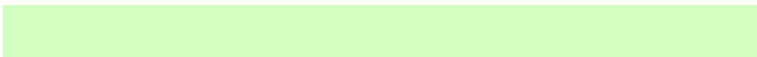
The Sweet Spot groups the original color and five complimentary colors.



88.6536, 0.2853, 0.3494



95.9512, 0.3036, 0.3350



89.0108, 0.3213, 0.3983



20.3844, 0.3020, 0.3361



0.0000, 0.0000, 0.0000

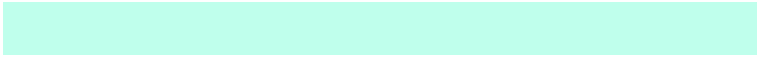


21.4041, 0.3127, 0.3290

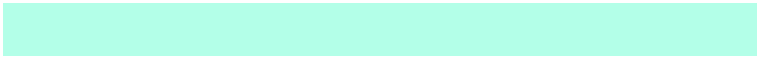


# Same Dimension

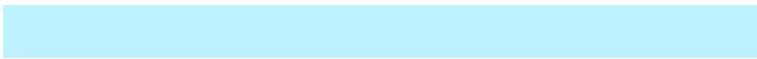
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6536, 0.2853, 0.3494



86.8902, 0.2805, 0.3540



81.9167, 0.2745, 0.3152



20.3844, 0.3020, 0.3361



39.1093, 0.2524, 0.4286



3.8271, 0.2488, 0.4157



# Inverse Universe

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



63.1665, 0.3504, 0.3096



57.5243, 0.3603, 0.3056



68.1071, 0.3629, 0.3424



18.0756, 0.3247, 0.3220



11.4005, 0.5782, 0.2959

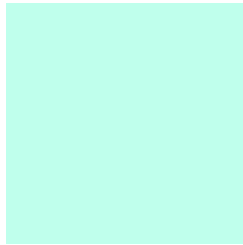


1.1282, 0.5462, 0.2783



# Previews

## White Background



This preview shows how the Yxy color 88.6525, 0.2853, 0.3494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

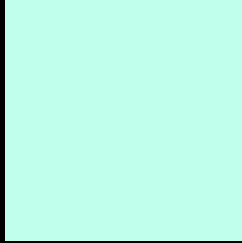
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6525, 0.2853, 0.3494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

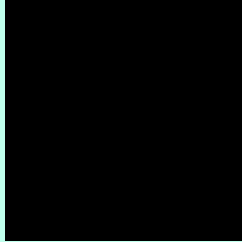
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

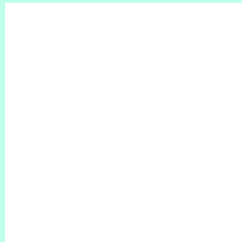
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.6525, 0.2853, 0.3494**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6525, 0.2853, 0.3494.

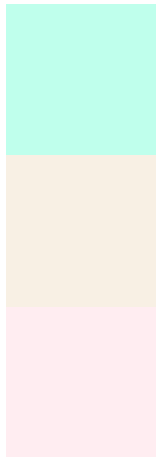


This preview shows how white text looks on a background with the Yxy color 88.6525, 0.2853, 0.3494.

# 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

88.6525, 0.2853, 0.3494

### Protanopia

87.8781, 0.3255, 0.3410

### Deuteranopia

88.1792, 0.3223, 0.3251



## Tritanopia

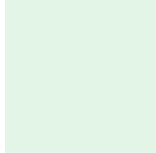
88.0544, 0.2926, 0.3188

# Trichromacy



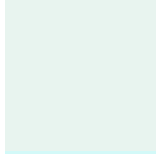
## Original Color

88.6525, 0.2853, 0.3494



## Protanomaly

87.4052, 0.3095, 0.3435



## Deuteranomaly

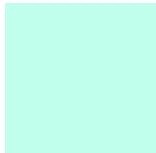
88.0892, 0.3080, 0.3341



## Tritanomaly

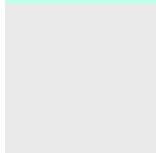
88.3776, 0.2900, 0.3300

# Monochromacy



## Original Color

88.6525, 0.2853, 0.3494



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.4078, 0.3015, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6525, 0.2853, 0.3494 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(191, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 236)  
}
```

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(191, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6525, 0.2853, 0.3494 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(191, 255, 236) }
```

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

```
.border{ border-color:rgb(191, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 255, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 255, 236); box-shadow:4px 4px 4px 4px rgb(191, 255, 236) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6525, 0.2853, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 236) }
```

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

```
.background{ background-color: rgb(191,  
255, 236) }
```

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