

# Converting Colors

$Yxy(88.0711, 0.2936, 0.3347)$

Have a look what the booklet for  
Yxy(88.0711, 0.2936, 0.3347)  
contains.

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# Color

**Yxy(88.3686, 0.2940, 0.3352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5F9F3
RGB	213, 249, 243
RGB Percent	84%, 98%, 95%
CMY	0.1644, 0.0236, 0.0471
CMYK	0.14, 0.00, 0.02, 0.02
HSL	170°, 75%, 91%
HSV	170°, 14%, 98%
XYZ	77.5071, 88.3686, 97.7538
YIQ	237.5520, -19.5300, -9.4980

# Conversions

## Conversions Part 2

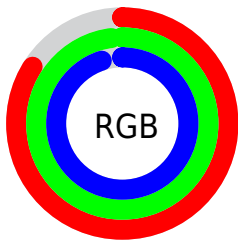
Format	Color
R <sub>YB</sub>	213, 233, 249
Decimal	14023155
CIE Lab	95.32, -12.68, -1.02
CIE LCh	95, 12.721, 184.579
Yxy	88.3686, 0.2940, 0.3352
Android (android.graphics.Color)	4292213235 (0xFFD5F9F3)
YUV	237.5520, 2.6859, -21.5321
Hunter-Lab	94.0046, -17.3342, 4.1485

# Details

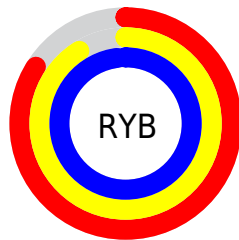
The Yxy color **88.3686, 0.2940, 0.3352** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8809, 0.3353, 0.3229**, and the grayscale version is **85.1367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9969, 0.2898, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **84.6801, 0.2819, 0.3400**, and if you desaturate by 10%, it is **92.6418, 0.3069, 0.3308**.

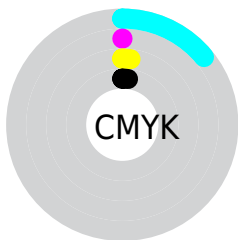
# Distribution



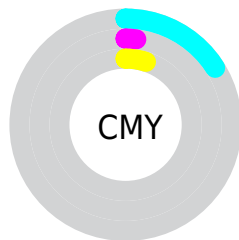
- Red (84%)
- Green (98%)
- Blue (95%)



- Red (84%)
- Yellow (91%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)



- Cyan (16%)
- Magenta (2%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.3686, 0.2940, 0.3352 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 88.3686, 0.2940, 0.3352 by changing the saturation by 10% instead.



 88.3686, 0.2940,  
0.3352

 88.3686, 0.2940,  
0.3352

522.7096, 0.3023,  
0.3325

 66.6284, 0.2922,  
0.3358

145.0702, 0.2968,  
0.3343

 48.7827, 0.2899,  
0.3365


180.8004, 0.2980,  
0.3339

 34.4471, 0.2871,  
0.3374


221.9627, 0.2989,  
0.3336

 23.2373, 0.2836,  
0.3386

268.9415, 0.2998,  
0.3333

 14.7688, 0.2789,  
0.3401

322.1212, 0.3005,  
0.3331

 8.6573, 0.2724,  
0.3421

381.8862, 0.3012,

 4.5183, 0.2628,

0.3328

0.3451

448.6208, 0.3018,  
0.3326

1.9675, 0.2473,  
0.3498

0.5885, 0.1612,  
0.3797

88.3686, 0.2940,  
0.3352

88.3686, 0.2940,  
0.3352

84.6801, 0.2819,  
0.3400

92.6418, 0.3069,  
0.3308


81.5393, 0.2708,  
0.3452

95.9898, 0.3152,  
0.3268


78.9219, 0.2611,  
0.3507


96.2252, 0.3130,  
0.3233


76.7972, 0.2530,  
0.3564

 75.1316, 0.2468,  
0.3624

 73.8872, 0.2424,  
0.3684

 73.0199, 0.2401,  
0.3745

 72.4755, 0.2396,  
0.3805

 72.2685, 0.2400,  
0.3838

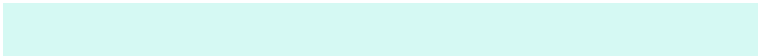
# Harmonies

## Analogous

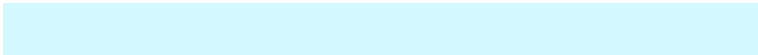
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3686, 0.3066, 0.3469



88.3686, 0.2940, 0.3352



88.3686, 0.2864, 0.3220

# Triad

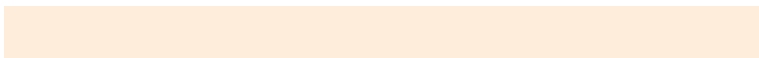
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.3686, 0.2940, 0.3352



88.3686, 0.3039, 0.3057



88.3686, 0.3405, 0.3463

# Complementary

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



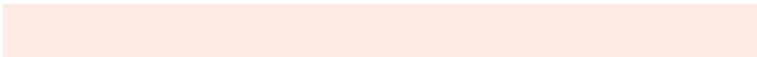
88.3686, 0.2940, 0.3352



72.8809, 0.3353, 0.3229

# 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.



88.3686, 0.3398, 0.3351



88.3686, 0.2940, 0.3352



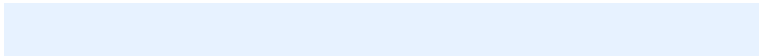
88.3686, 0.3184, 0.3120

# Square

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



88.3686, 0.2940, 0.3352



88.3686, 0.2920, 0.3053



88.3686, 0.3316, 0.3226

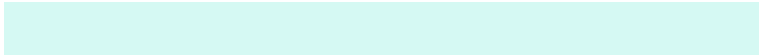


88.3686, 0.3336, 0.3532

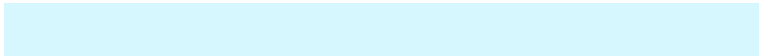


# Rectangle

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



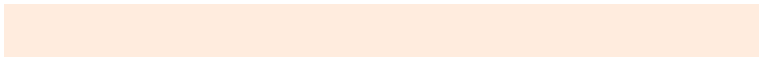
88.3686, 0.2940, 0.3352



88.3686, 0.2851, 0.3142



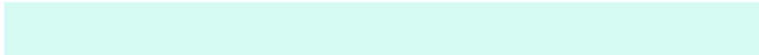
88.3686, 0.3316, 0.3226



88.3686, 0.3411, 0.3429

# Sweetspot

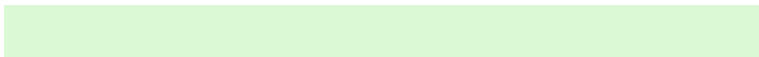
The Sweet Spot groups the original color and five complimentary colors.



88.3723, 0.2940, 0.3352



98.0072, 0.3074, 0.3306



87.7150, 0.3151, 0.3670



20.8998, 0.3064, 0.3310



0.0000, 0.0000, 0.0000

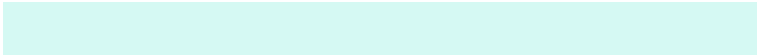


21.4041, 0.3127, 0.3290

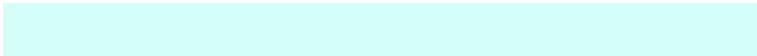


# Same Dimension

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



88.3723, 0.2940, 0.3352



92.2272, 0.2908, 0.3364



81.9214, 0.2903, 0.3170



19.5558, 0.3003, 0.3330



38.7061, 0.2397, 0.3828



3.5976, 0.2377, 0.3757



# Inverse Universe

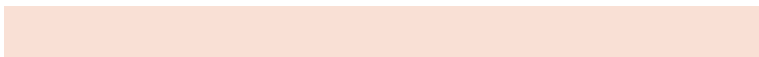
The Inverse Universe completely reimagines the original color for something new.



72.8809, 0.3353, 0.3229



73.2811, 0.3401, 0.3218



78.4969, 0.3379, 0.3407



17.2725, 0.3268, 0.3251



10.8823, 0.6159, 0.3166



1.0209, 0.5862, 0.3003



# Previews

## White Background



This preview shows how the Yxy color 88.3686, 0.2940, 0.3352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

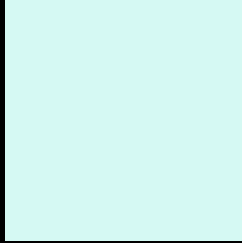
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.3686, 0.2940, 0.3352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

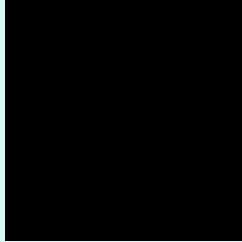
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

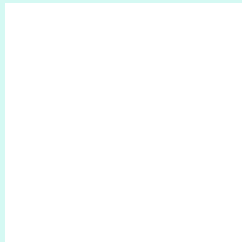
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.3686, 0.2940, 0.3352**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.3686, 0.2940, 0.3352.

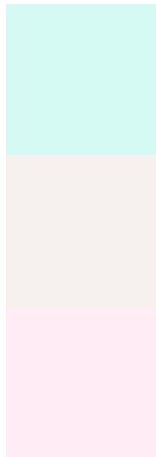


This preview shows how white text looks on a background with the Yxy color 88.3686, 0.2940, 0.3352.

# 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

88.3686, 0.2940, 0.3352

### Protanopia

88.0861, 0.3179, 0.3310

### Deuteranopia

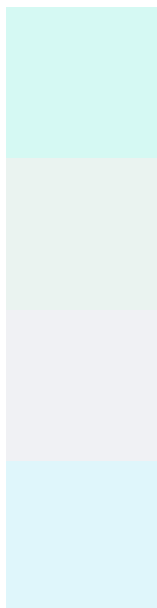
87.7826, 0.3204, 0.3212



## Tritanopia

88.4153, 0.2962, 0.3179

# Trichromacy



## Original Color

88.3686, 0.2940, 0.3352

## Protanomaly

87.8849, 0.3087, 0.3320

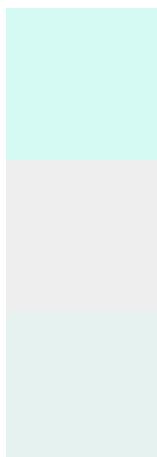
## Deuteranomaly

87.9675, 0.3103, 0.3260

## Tritanomaly

88.5645, 0.2955, 0.3239

# Monochromacy



## Original Color

88.3686, 0.2940, 0.3352

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.4535, 0.3055, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.3686, 0.2940, 0.3352 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(213, 249, 243)` looks like.

```
.text, #text, p{  
    color:rgb(213, 249, 243)  
}
```

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(213, 249, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 249, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 88.3686, 0.2940, 0.3352 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(213, 249, 243) }
```

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

```
.border{ border-color:rgb(213, 249, 243) }
```

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

Here you see how a box with a 4 pixel rgb(213, 249, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 249, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 249, 243);  
box-shadow:4px 4px 4px 4px rgb(213, 249,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.3686, 0.2940, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 249, 243) }
```

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

```
.background{ background-color: rgb(213,  
249, 243) }
```

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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