

Converting Colors

$Yxy(85.4027, 0.2582, 0.3307)$

Have a look what the booklet for
Yxy(85.4027, 0.2582, 0.3307)
contains.

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Color

Yxy(85.3842, 0.2583, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	99FFFD
RGB	153, 255, 253
RGB Percent	60%, 100%, 99%
CMY	0.4004, 0.0000, 0.0079
CMYK	0.40, 0.00, 0.01, 0.00
HSL	179°, 100%, 80%
HSV	179°, 40%, 100%
XYZ	66.6105, 85.3842, 105.8857
YIQ	224.2740, -60.1500, -22.2460

Conversions

Conversions Part 2

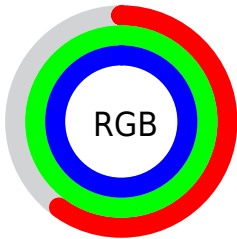
Format	Color
RYB	153, 205, 255
Decimal	10092541
CIELab	94.05, -30.22, -8.41
CIElCh	94, 31.370, 195.549
Yxy	85.3842, 0.2583, 0.3311
Android (android.graphics.Color)	4288282621 (0xFF99FFFD)
YUV	224.2740, 14.1619, -62.5073
Hunter-Lab	92.4036, -33.0318, -3.2582

Details

The Yxy color **85.3842, 0.2583, 0.3311** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.3749, 0.4129, 0.3272**, and the grayscale version is **74.6530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **46.8066, 0.2472, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **83.1221, 0.2483, 0.3317**, and if you desaturate by 10%, it is **88.1559, 0.2700, 0.3305**.

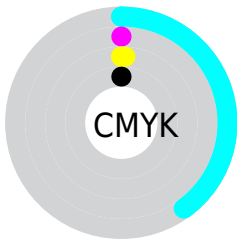
Distribution



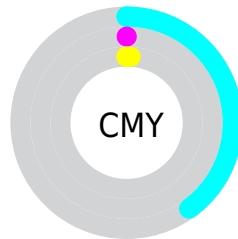
- Red (60%)
- Green (100%)
- Blue (99%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3842, 0.2583, 0.3311 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 85.3842, 0.2583, 0.3311 by changing the saturation by 10% instead.

 85.3842, 0.2583,
0.3311


 85.3842, 0.2583,
0.3311


512.8985, 0.2824,
0.3306

 64.1589, 0.2531,
0.3311


 140.9098, 0.2664,
0.3310

 46.7794, 0.2467,
0.3310


 175.9789, 0.2697,
0.3310

 32.8613, 0.2389,
0.3309


216.4314, 0.2725,
0.3309

 22.0202, 0.2290,
0.3306

262.6517, 0.2749,
0.3309

 13.8717, 0.2161,
0.3299

315.0242, 0.2771,
0.3308

 8.0315, 0.1986,
0.3286

373.9332, 0.2791,

 4.1151, 0.1738,

0.3308

439.7632, 0.2808,
0.3307

0.3257

1.7382, 0.1359,
0.3189

0.4482, 0.0000,
0.2932

85.3842, 0.2583,
0.3311

85.3842, 0.2583,
0.3311

83.1221, 0.2483,
0.3317

88.1559, 0.2700,
0.3305

81.3662, 0.2401,
0.3323

91.4991, 0.2832,
0.3300

80.0683, 0.2340,
0.3330

95.4321, 0.2975,
0.3295

79.1848, 0.2297,
0.3336

99.9817, 0.3127,
0.3290

■ 78.6636, 0.2273,
0.3342

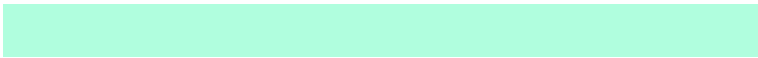
100.0000, 0.3127,
0.3290

■ 78.4203, 0.2264,
0.3349

Harmonies

Analogous

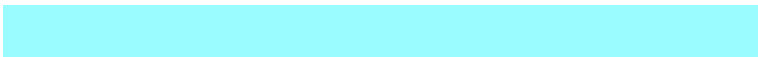
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3842, 0.2845, 0.3651



85.3842, 0.2583, 0.3311



85.3842, 0.2464, 0.2989

Triad

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



85.3842, 0.2583, 0.3311



85.3842, 0.3029, 0.2775



85.3842, 0.3777, 0.3783

Complementary

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



85.3842, 0.2583, 0.3311



46.3749, 0.4129, 0.3272

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.



85.3842, 0.3839, 0.3526



85.3842, 0.2583, 0.3311



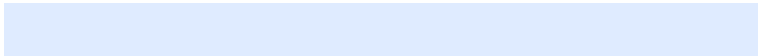
85.3842, 0.3393, 0.2964

Square

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



85.3842, 0.2583, 0.3311



85.3842, 0.2709, 0.2704



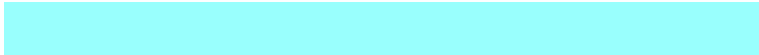
85.3842, 0.3697, 0.3232



85.3842, 0.3536, 0.3925

Rectangle

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



85.3842, 0.2583, 0.3311



85.3842, 0.2476, 0.2831



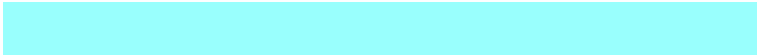
85.3842, 0.3697, 0.3232



85.3842, 0.3820, 0.3706

Sweetspot

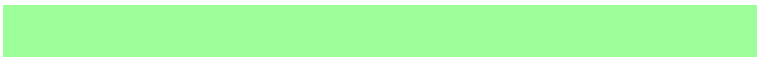
The Sweet Spot groups the original color and five complimentary colors.



85.3740, 0.2583, 0.3311



94.6125, 0.2946, 0.3296



80.9154, 0.3088, 0.4521



20.1370, 0.2927, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

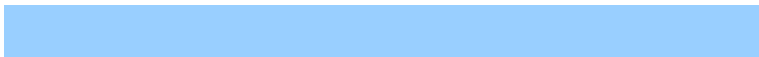
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3740, 0.2583, 0.3311



83.5395, 0.2502, 0.3316



58.7810, 0.2486, 0.2728



20.4749, 0.2983, 0.3294



40.9791, 0.2263, 0.3347



3.9919, 0.2261, 0.3340

Inverse Universe

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



46.3749, 0.4129, 0.3272



39.6754, 0.4445, 0.3269



65.1200, 0.3940, 0.3787



17.9929, 0.3291, 0.3286



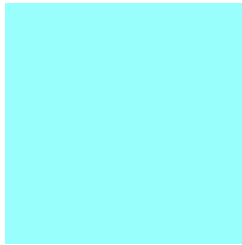
11.1171, 0.6381, 0.3289



1.0844, 0.6333, 0.3262

Previews

White Background



This preview shows how the Yxy color 85.3842, 0.2583, 0.3311 looks on a white background.

Color Contrast Check

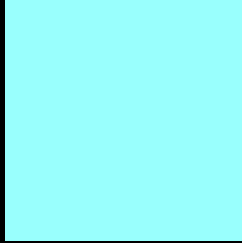
Large Text (above 18pt) WCAG AA × Fail

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 85.3842, 0.2583, 0.3311 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 85.3842, 0.2583, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 85.3842, 0.2583, 0.3311.

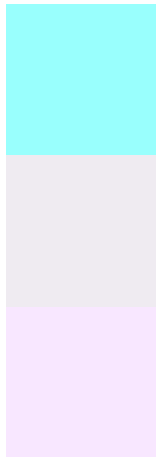


This preview shows how white text looks on a background with the Yxy color 85.3842, 0.2583, 0.3311.

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

85.3842, 0.2583, 0.3311

Protanopia

84.1183, 0.3117, 0.3229

Deuteranopia

84.3283, 0.3091, 0.3055



Tritanopia

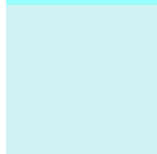
84.6179, 0.2814, 0.3174

Trichromacy



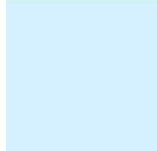
Original Color

85.3842, 0.2583, 0.3311



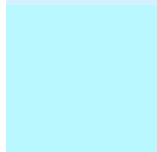
Protanomaly

83.5067, 0.2896, 0.3258



Deuteranomaly

83.6221, 0.2876, 0.3144



Tritanomaly

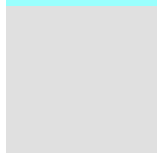
84.6048, 0.2724, 0.3224

Monochromacy



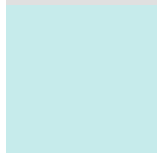
Original Color

85.3842, 0.2583, 0.3311



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.4206, 0.2889, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3842, 0.2583, 0.3311 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(153, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 253)  
}
```

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(153, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 253) }
```

Border

The CSS property to change the border of an element to Yxy 85.3842, 0.2583, 0.3311 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(153, 255, 253) }
```

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

```
.border{ border-color:rgb(153, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3842, 0.2583, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 253) }
```

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

```
.background{ background-color: rgb(153,  
255, 253) }
```

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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