# Converting Colors

Yxy(85.5123, 0.2574, 0.3288)

Have a look what the booklet for Yxy(85.5123, 0.2574, 0.3288) contains.

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# Color

**Yxy(85.5123, 0.2574, 0.3288)**

# Conversions

Conversions Part 1

| Format | Color |
| --- | --- |
| Hex | 99FFFF |
| RGB | 153, 255, 255 |
| RGB Percent | 60%, 100%, 100% |
| CMY | 0.4002, 0.0000, 0.0000 |
| CMYK | 0.40, 0.00, 0.00, 0.00 |
| HSL | 180°, 100%, 80% |
| HSV | 180°, 40%, 100% |
| XYZ | 66.9430, 85.5123, 107.6186 |
| YIQ | 224.5020, -60.7920, -21.6240 |

# Conversions

Conversions Part 2

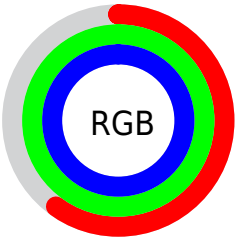
| Format | Color |
| --- | --- |
| RYB | 153, 204, 255 |
| Decimal | 10092543 |
| CIELab | 94.10, -29.72, -9.39 |
| CIELCh | 94, 31.169, 197.532 |
| Yxy | 85.5123, 0.2574, 0.3288 |
| Android (android.graphics.Color) | 4288282623 (0xFF99FFFF) |
| YUV | 224.5020, 15.0355, -62.7073 |
| Hunter-Lab | 92.4729, -32.6077, -4.2698 |

# Details

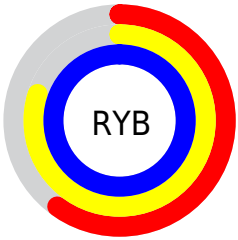
The Yxy color 85.5123, 0.2574, 0.3288 is a light color, and the websafe version is hex 99FFFF. A complement of this color would be 46.3209, 0.4149, 0.3293, and the grayscale version is 74.8280, 0.3127, 0.3290.

A 20% lighter version of the original color is 92.7370, 0.2872, 0.3289, and 46.8983, 0.2461, 0.3288 is the 20% darker color. If you saturate the color by 10%, you get 83.2859, 0.2473, 0.3288, and if you desaturate by 10%, it is 88.2572, 0.2693, 0.3289.

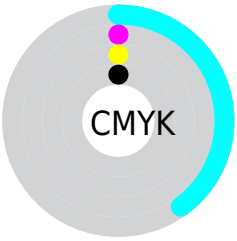
# Distribution



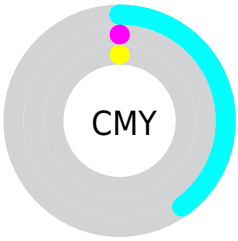

- Red (60%)
- Green (100%)
- Blue (100%)




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




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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5123, 0.2574, 0.3288 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 85.5123, 0.2574, 0.3288 by changing the saturation by 10% instead.

85.5123, 0.2574, 0.3288

513.3217, 0.2818, 0.3294

141.0887, 0.2657, 0.3291

176.1864, 0.2689, 0.3292

216.6696, 0.2718, 0.3293

262.9226, 0.2743, 0.3293

315.3300, 0.2765, 0.3293

374.2760, 0.2785,

85.5123, 0.2574, 0.3288

64.2648, 0.2521, 0.3286

46.8652, 0.2457, 0.3282

32.9291, 0.2377, 0.3277

22.0721, 0.2277, 0.3269

13.9099, 0.2147, 0.3255

8.0580, 0.1971, 0.3233

4.1321, 0.1721,

0.3294

440.1451, 0.2802, 0.3294

0.3190

1.7477, 0.1345, 0.3099

0.4543, 0.0000, 0.2808

85.5123, 0.2574, 0.3288

83.2859, 0.2473, 0.3288

81.5613, 0.2390, 0.3288

80.2946, 0.2327, 0.3288

79.4423, 0.2283, 0.3288

85.5123, 0.2574, 0.3288

88.2572, 0.2693, 0.3289

91.5690, 0.2827, 0.3289

95.4706, 0.2972, 0.3290

99.9887, 0.3127, 0.3290

78.9523, 0.2258, 0.3287

100.0000, 0.3127, 0.3290

78.7400, 0.2247, 0.3287

# Harmonies

## Analogous

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

85.5123, 0.2827, 0.3628

85.5123, 0.2574, 0.3288

85.5123, 0.2466, 0.2973

# Triad

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

85.5123, 0.2574, 0.3288

85.5123, 0.3053, 0.2787

85.5123, 0.3761, 0.3793

# Complementary

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

85.5123, 0.2574, 0.3288

46.3209, 0.4149, 0.3293

# 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.

85.5123, 0.3837, 0.3544

85.5123, 0.2574, 0.3288

85.5123, 0.3415, 0.2981

# Square

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

85.5123, 0.2574, 0.3288

85.5123, 0.2730, 0.2708

85.5123, 0.3708, 0.3251

85.5123, 0.3513, 0.3924

# Rectangle

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

85.5123, 0.2574, 0.3288

85.5123, 0.2485, 0.2822

85.5123, 0.3708, 0.3251

85.5123, 0.3808, 0.3720

# Sweetspot

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

85.5065, 0.2574, 0.3288

94.6513, 0.2943, 0.3289

80.5845, 0.3069, 0.4527

20.1462, 0.2923, 0.3289

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.

85.5065, 0.2574, 0.3288

83.6940, 0.2492, 0.3288

57.1581, 0.2480, 0.2686

20.4815, 0.2980, 0.3290

41.1433, 0.2247, 0.3287

4.0060, 0.2247, 0.3287

# Inverse Universe

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

51.2430, 0.3174, 0.2301

45.1457, 0.3182, 0.2124

66.7295, 0.3926, 0.3820

18.3004, 0.3138, 0.3056

14.8814, 0.3209, 0.1542

1.4490, 0.3209, 0.1542

# Previews

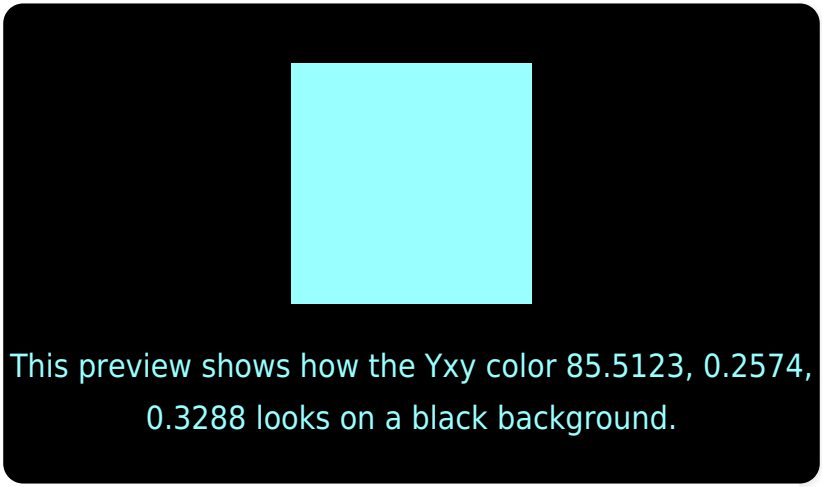
## White Background

This preview shows how the Yxy color 85.5123, 0.2574, 0.3288 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




**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 85.5123, 0.2574, 0.3288

## Background

This preview shows how black text looks on a background with the Yxy color 85.5123, 0.2574, 0.3288.

This preview shows how white text looks on a background with the Yxy color 85.5123, 0.2574, 0.3288.

# 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**
85.5123, 0.2574, 0.3288

**Protanopia**
84.8127, 0.3104, 0.3219

**Deuteranopia**
84.5261, 0.3078, 0.3064

**Tritanopia**
85.2213, 0.2815, 0.3184

## Trichromacy

**Original Color**
85.5123, 0.2574, 0.3288

**Protanomaly**
84.2265, 0.2886, 0.3247

**Deuteranomaly**
83.5372, 0.2864, 0.3133

**Tritanomaly**
85.2857, 0.2720, 0.3224

## Monochromacy

**Original Color**
85.5123, 0.2574, 0.3288

**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 85.5123, 0.2574, 0.3288 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, 255) looks like.

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

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, 255) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(153, 255, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 85.5123, 0.2574, 0.3288 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, 255) }
```

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

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

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, 255) colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to Yxy 85.5123, 0.2574, 0.3288 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, 255) }
```

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

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

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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