

Converting Colors

$Y_{xy}(88.4212, 0.2631, 0.3444)$

Have a look what the booklet for
Yxy(88.4212, 0.2631, 0.3444)
contains.

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Color

Yxy(85.1424, 0.2624, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	9BFFF6
RGB	155, 255, 246
RGB Percent	61%, 100%, 96%
CMY	0.3919, 0.0000, 0.0352
CMYK	0.39, 0.00, 0.04, 0.00
HSL	175°, 100%, 80%
HSV	175°, 39%, 100%
XYZ	65.9232, 85.1424, 100.1661
YIQ	224.0740, -56.7110, -23.9990

Conversions

Conversions Part 2

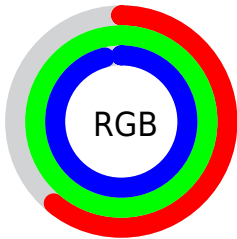
Format	Color
R _Y B	155, 207, 255
Decimal	10223606
CIE Lab	93.94, -31.31, -4.95
CIE LCh	94, 31.696, 188.992
Yxy	85.1424, 0.2624, 0.3389
Android (android.graphics.Color)	4288413686 (0xFF9BFFF6)
YUV	224.0740, 10.8095, -60.5779
Hunter-Lab	92.2726, -33.9497, 0.2289

Details

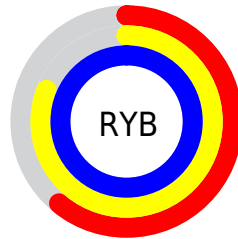
The Yxy color **85.1424, 0.2624, 0.3389** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.4038, 0.4026, 0.3198**, and the grayscale version is **74.5611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **46.6473, 0.2513, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **82.7427, 0.2528, 0.3418**, and if you desaturate by 10%, it is **88.0833, 0.2736, 0.3361**.

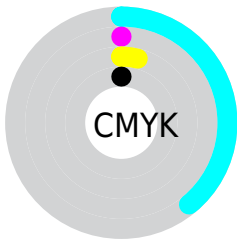
Distribution



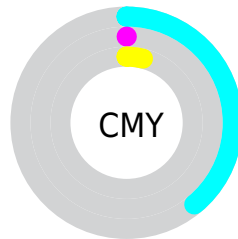
- Red (61%)
- Green (100%)
- Blue (96%)



- Red (61%)
- Yellow (81%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1424, 0.2624, 0.3389 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 85.1424, 0.2624, 0.3389 by changing the saturation by 10% instead.


 85.1424, 0.2624,
0.3389

 85.1424, 0.2624,
0.3389

512.0991, 0.2848,
0.3348

 63.9590, 0.2575,
0.3397


 140.5721, 0.2700,
0.3376

 46.6175, 0.2516,
0.3407


 175.5873, 0.2730,
0.3370

 32.7334, 0.2442,
0.3419


215.9818, 0.2756,
0.3365

 21.9223, 0.2349,
0.3433

262.1401, 0.2779,
0.3361

 13.7998, 0.2226,
0.3450

314.4466, 0.2799,
0.3357

 7.9816, 0.2059,
0.3471

373.2857, 0.2817,

 4.0831, 0.1819,

0.3354

439.0417, 0.2833,
0.3351

0.3494

1.7202, 0.1438,
0.3519

0.4367, 0.0000,
0.3470

85.1424, 0.2624,
0.3389

85.1424, 0.2624,
0.3389

82.7427, 0.2528,
0.3418

88.0833, 0.2736,
0.3361

80.8402, 0.2450,
0.3449

91.5862, 0.2861,
0.3335

79.4007, 0.2391,
0.3480

95.6829, 0.2996,
0.3310

78.3811, 0.2351,
0.3511

99.9957, 0.3127,
0.3290

■ 77.7304, 0.2331,
0.3542

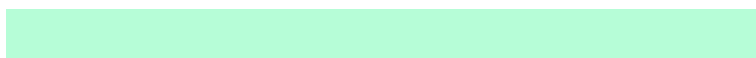
■ 77.3718, 0.2326,
0.3572

■ 77.3479, 0.2326,
0.3575

Harmonies

Analogous

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



85.1424, 0.2914, 0.3720



85.1424, 0.2624, 0.3389



85.1424, 0.2469, 0.3049

Triad

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



85.1424, 0.2624, 0.3389



85.1424, 0.2950, 0.2742



85.1424, 0.3815, 0.3738

Complementary

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



85.1424, 0.2624, 0.3389



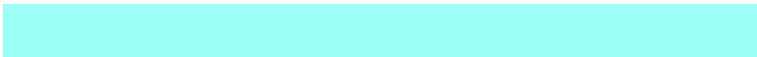
47.4038, 0.4026, 0.3198

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.



85.1424, 0.3833, 0.3464



85.1424, 0.2624, 0.3389



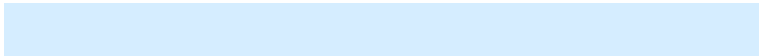
85.1424, 0.3317, 0.2910

Square

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



85.1424, 0.2624, 0.3389



85.1424, 0.2648, 0.2701



85.1424, 0.3647, 0.3167



85.1424, 0.3605, 0.3915

Rectangle

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



85.1424, 0.2624, 0.3389



85.1424, 0.2457, 0.2871



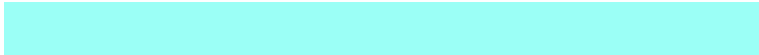
85.1424, 0.3647, 0.3167



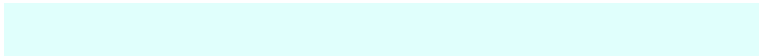
85.1424, 0.3845, 0.3654

Sweetspot

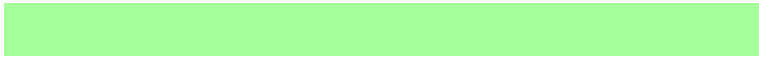
The Sweet Spot groups the original color and five complimentary colors.



85.1458, 0.2624, 0.3389



94.4756, 0.2958, 0.3317



81.8897, 0.3127, 0.4477



20.1045, 0.2940, 0.3320



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

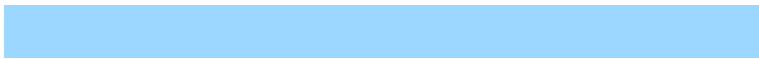
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1458, 0.2624, 0.3389



83.2297, 0.2547, 0.3412



62.8059, 0.2512, 0.2823



20.4517, 0.2992, 0.3311



40.4300, 0.2325, 0.3569



3.9444, 0.2315, 0.3534

Inverse Universe

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



47.4038, 0.4026, 0.3198



40.7023, 0.4308, 0.3182



62.6733, 0.3946, 0.3709



18.0135, 0.3280, 0.3269



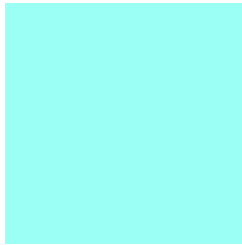
11.1498, 0.6303, 0.3246



1.0942, 0.6107, 0.3138

Previews

White Background



This preview shows how the Yxy color 85.1424, 0.2624, 0.3389 looks on a white background.

Color Contrast Check

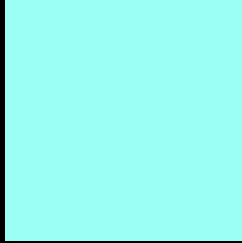
Large Text (above 18pt) WCAG AA × Fail

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 85.1424, 0.2624, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

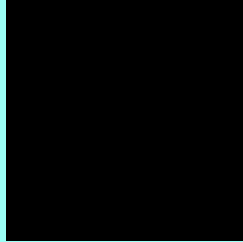
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

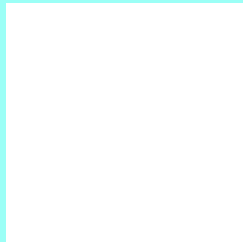
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1424, 0.2624, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 85.1424, 0.2624, 0.3389.

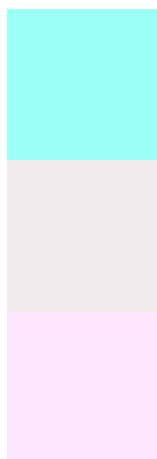


This preview shows how white text looks on a background with the Yxy color 85.1424, 0.2624, 0.3389.

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

85.1424, 0.2624, 0.3389

Protanopia

84.1156, 0.3167, 0.3290

Deuteranopia

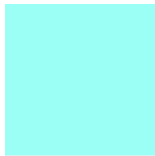
84.2541, 0.3144, 0.3085



Tritanopia

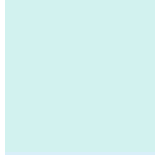
84.4779, 0.2808, 0.3173

Trichromacy



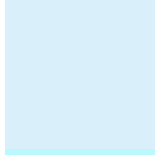
Original Color

85.1424, 0.2624, 0.3389



Protanomaly

83.4379, 0.2942, 0.3321



Deuteranomaly

83.3243, 0.2928, 0.3185



Tritanomaly

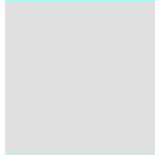
84.4774, 0.2733, 0.3246

Monochromacy



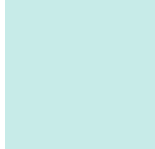
Original Color

85.1424, 0.2624, 0.3389



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3850, 0.2912, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1424, 0.2624, 0.3389 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(155, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 246)  
}
```

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(155, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 85.1424, 0.2624, 0.3389 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(155, 255, 246) }
```

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

```
.border{ border-color:rgb(155, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1424, 0.2624, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 246) }
```

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

```
.background{ background-color: rgb(155,  
255, 246) }
```

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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