

Converting Colors

$Yxy(85.5552, 0.2639, 0.3384)$

Have a look what the booklet for
Yxy(85.5552, 0.2639, 0.3384)
contains.

Yxy(85.5447, 0.2642, 0.3389)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.5447, 0.2642, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	9FFFF6
RGB	159, 255, 246
RGB Percent	62%, 100%, 96%
CMY	0.3765, 0.0000, 0.0353
CMYK	0.38, 0.00, 0.04, 0.00
HSL	174°, 100%, 81%
HSV	174°, 38%, 100%
XYZ	66.6890, 85.5447, 100.1850
YIQ	225.2700, -54.3270, -23.1510

Conversions

Conversions Part 2

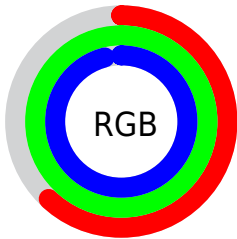
Format	Color
R _Y B	159, 209, 255
Decimal	10485750
CIE Lab	94.12, -30.34, -4.67
CIE LCh	94, 30.702, 188.746
Yxy	85.5447, 0.2642, 0.3389
Android (android.graphics.Color)	4288675830 (0xFF9FFF6)
YUV	225.2700, 10.2199, -58.1188
Hunter-Lab	92.4904, -33.1530, 0.5207

Details

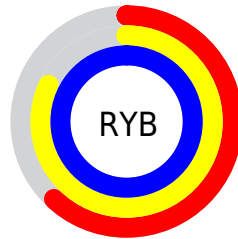
The Yxy color **85.5447, 0.2642, 0.3389** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8759, 0.3971, 0.3198**, and the grayscale version is **75.4487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **46.9307, 0.2537, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **83.0538, 0.2544, 0.3419**, and if you desaturate by 10%, it is **88.5714, 0.2756, 0.3360**.

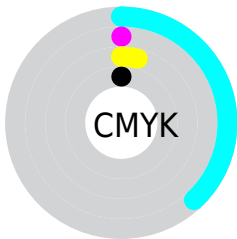
Distribution



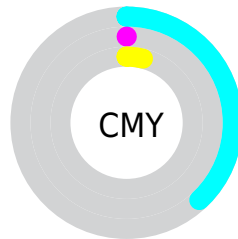
- Red (62%)
- Green (100%)
- Blue (96%)



- Red (62%)
- Yellow (82%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5447, 0.2642, 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 85.5447, 0.2642, 0.3389 by changing the saturation by 10% instead.


 85.5447, 0.2642,
0.3389

 85.5447, 0.2642,
0.3389


513.4287, 0.2858,
0.3348

 64.2915, 0.2595,
0.3398


 141.1340, 0.2715,
0.3375

 46.8868, 0.2538,
0.3408


 176.2388, 0.2744,
0.3370

 32.9462, 0.2467,
0.3420


216.7298, 0.2769,
0.3365

 22.0852, 0.2376,
0.3434

262.9911, 0.2791,
0.3361

 13.9195, 0.2258,
0.3452

315.4073, 0.2811,
0.3357

 8.0647, 0.2097,
0.3474


374.3627, 0.2828,


 4.1364, 0.1865,

0.3353

0.3500

440.2417, 0.2844,
0.3350


 1.7502, 0.1501,
0.3527


 0.4558, 0.0000,
0.3565


 85.5447, 0.2642,
0.3389


 85.5447, 0.2642,
0.3389

 83.0538, 0.2544,
0.3419


 88.5714, 0.2756,
0.3360

 81.0710, 0.2463,
0.3451


 92.1699, 0.2882,
0.3333


 79.5575, 0.2401,
0.3483

 96.3668, 0.3018,
0.3308

 78.4711, 0.2359,
0.3516

100.0000, 0.3127,
0.3290

 77.7623, 0.2336,
0.3548

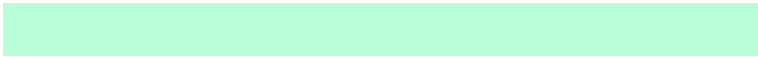
 77.3656, 0.2330,
0.3580

 77.2952, 0.2330,
0.3588

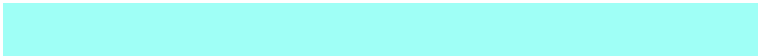
Harmonies

Analogous

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



85.5447, 0.2924, 0.3708



85.5447, 0.2642, 0.3389



85.5447, 0.2490, 0.3060

Triad

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



85.5447, 0.2642, 0.3389



85.5447, 0.2953, 0.2758



85.5447, 0.3794, 0.3723

Complementary

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



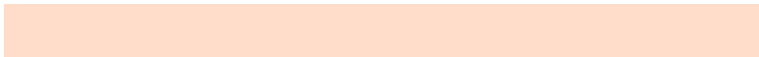
85.5447, 0.2642, 0.3389



48.8759, 0.3971, 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.



85.5447, 0.3809, 0.3458



85.5447, 0.2642, 0.3389



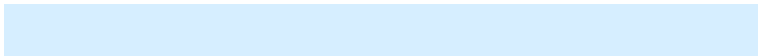
85.5447, 0.3308, 0.2920

Square

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



85.5447, 0.2642, 0.3389



85.5447, 0.2662, 0.2719



85.5447, 0.3628, 0.3169



85.5447, 0.3592, 0.3893

Rectangle

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



85.5447, 0.2642, 0.3389



85.5447, 0.2477, 0.2887



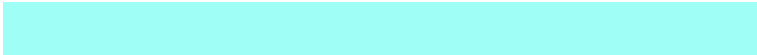
85.5447, 0.3628, 0.3169



85.5447, 0.3821, 0.3641

Sweetspot

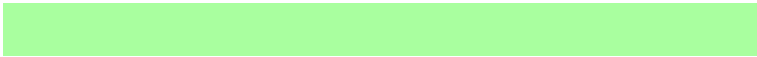
The Sweet Spot groups the original color and five complimentary colors.



85.5428, 0.2642, 0.3389



94.8946, 0.2972, 0.3316



82.4114, 0.3128, 0.4423



20.1878, 0.2953, 0.3319



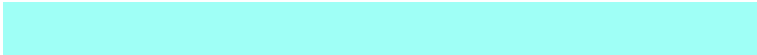
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



85.5428, 0.2642, 0.3389



83.6638, 0.2568, 0.3411



64.0046, 0.2536, 0.2845



20.4504, 0.2993, 0.3312



40.4005, 0.2329, 0.3582



3.9419, 0.2318, 0.3546

Inverse Universe

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



48.8759, 0.3971, 0.3198



42.3238, 0.4227, 0.3181



63.8715, 0.3905, 0.3692



18.0147, 0.3280, 0.3268



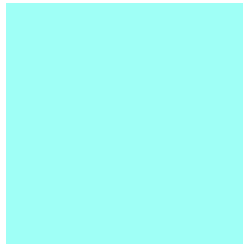
11.1522, 0.6298, 0.3243



1.0947, 0.6095, 0.3131

Previews

White Background



This preview shows how the Yxy color 85.5447, 0.2642, 0.3389 looks on a white background.

Color Contrast Check

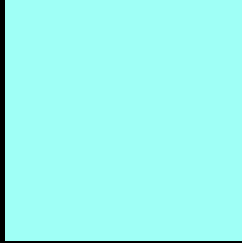
Large Text (above 18pt) WCAG AA × Fail

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 85.5447, 0.2642, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

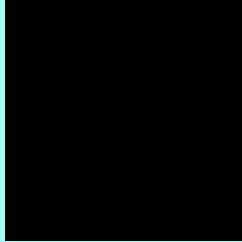
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

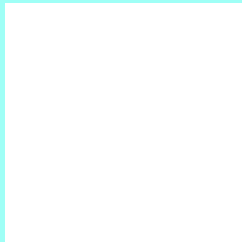
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5447, 0.2642, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 85.5447, 0.2642, 0.3389.

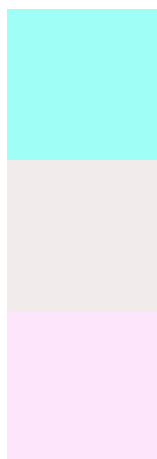


This preview shows how white text looks on a background with the Yxy color 85.5447, 0.2642, 0.3389.

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

85.5447, 0.2642, 0.3389

Protanopia

84.6898, 0.3167, 0.3300

Deuteranopia

84.4413, 0.3150, 0.3085



Tritanopia

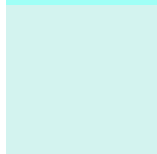
84.9005, 0.2825, 0.3174

Trichromacy



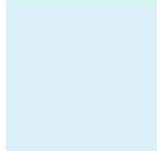
Original Color

85.5447, 0.2642, 0.3389



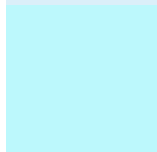
Protanomaly

84.1821, 0.2948, 0.3332



Deuteranomaly

83.6326, 0.2940, 0.3186



Tritanomaly

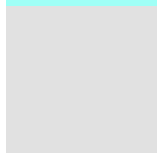
84.8544, 0.2750, 0.3246

Monochromacy



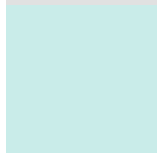
Original Color

85.5447, 0.2642, 0.3389



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2916, 0.2919, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5447, 0.2642, 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(159, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 85.5447, 0.2642, 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(159, 255, 246) }
```

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

```
.border{ border-color:rgb(159, 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(159, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5447, 0.2642, 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(159, 255, 246) }
```

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

```
.background{ background-color: rgb(159,  
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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