

Converting Colors

$Y_{xy}(87.5170, 0.2416, 0.2862)$

Have a look what the booklet for
Yxy(87.5170, 0.2416, 0.2862)
contains.

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Color

Yxy(84.4391, 0.2580, 0.3266)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9BFDFF |
| RGB | 155, 253, 255 |
| RGB Percent | 61%, 99%, 100% |
| CMY | 0.3919, 0.0079, 0.0000 |
| CMYK | 0.39, 0.01, 0.00, 0.00 |
| HSL | 181°, 100%, 80% |
| HSV | 181°, 39%, 100% |
| XYZ | 66.7033, 84.4391, 107.3974 |
| YIQ | 223.9260, -59.0500, -20.1540 |

Conversions

Conversions Part 2

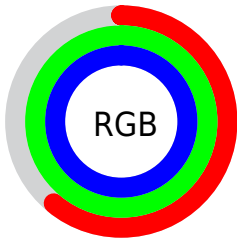
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 155, 204, 255 |
| Decimal | 10223103 |
| CIELab | 93.64, -28.26, -10.05 |
| CIELCh | 94, 29.993, 199.578 |
| Yxy | 84.4391, 0.2580, 0.3266 |
| Android (android.graphics.Color) | 4288413183 (0xFF9BFDFE) |
| YUV | 223.9260, 15.3195, -60.4481 |
| Hunter-Lab | 91.8908, -31.2361, -4.9717 |

Details

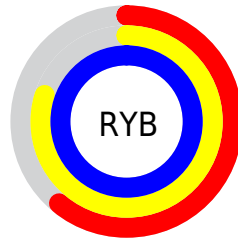
The Yxy color **84.4391, 0.2580, 0.3266** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.7689, 0.4109, 0.3314**, and the grayscale version is **74.4180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **46.0985, 0.2465, 0.3259** is the 20% darker color. If you saturate the color by 10%, you get **81.8553, 0.2475, 0.3259**, and if you desaturate by 10%, it is **87.5619, 0.2702, 0.3273**.

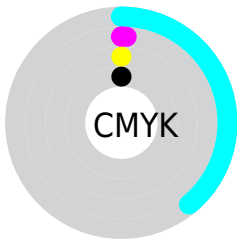
Distribution



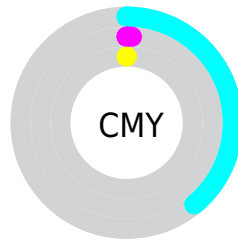
- Red (61%)
- Green (99%)
- Blue (100%)



- Red (61%)
- Yellow (80%)
- Blue (100%)



- Cyan (39%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (39%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4391, 0.2580, 0.3266 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 84.4391, 0.2580, 0.3266 by changing the saturation by 10% instead.


 84.4391, 0.2580,
0.3266

 84.4391, 0.2580,
0.3266


509.7702, 0.2822,
0.3282

 63.3780, 0.2527,
0.3261


 139.5892, 0.2662,
0.3272

 46.1471, 0.2463,
0.3255


 174.4471, 0.2694,
0.3275

 32.3619, 0.2385,
0.3246


214.6727, 0.2723,
0.3277

 21.6381, 0.2285,
0.3234

260.6504, 0.2747,
0.3278

 13.5912, 0.2155,
0.3215

312.7646, 0.2769,
0.3279

 7.8369, 0.1979,
0.3184

371.3997, 0.2789,

 3.9908, 0.1729,

0.3280

0.3129

436.9401, 0.2806,
0.3281

■ 1.6684, 0.1349,
0.3019

■ 0.4031, 0.0000,
0.2591

■ 84.4391, 0.2580,
0.3266

■ 84.4391, 0.2580,
0.3266

■ 81.8553, 0.2475,
0.3259

■ 87.5619, 0.2702,
0.3273

■ 79.7686, 0.2388,
0.3252

■ 91.2465, 0.2838,
0.3279

■ 78.1441, 0.2321,
0.3246

■ 95.5241, 0.2985,
0.3285

■ 76.9387, 0.2273,
0.3239

100.0000, 0.3127,
0.3290

■ 76.1013, 0.2244,
0.3232

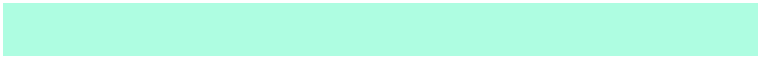
■ 75.5553, 0.2230,
0.3226

■ 75.5161, 0.2229,
0.3225

Harmonies

Analogous

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



84.4391, 0.2817, 0.3596



84.4391, 0.2580, 0.3266



84.4391, 0.2486, 0.2967

Triad

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



84.4391, 0.2580, 0.3266



84.4391, 0.3080, 0.2812



84.4391, 0.3728, 0.3791

Complementary

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



84.4391, 0.2580, 0.3266



47.7689, 0.4109, 0.3314

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.



84.4391, 0.3814, 0.3555



84.4391, 0.2580, 0.3266



84.4391, 0.3428, 0.3007

Square

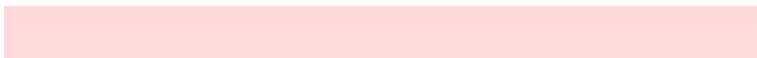
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



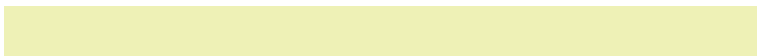
84.4391, 0.2580, 0.3266



84.4391, 0.2761, 0.2728



84.4391, 0.3703, 0.3273



84.4391, 0.3480, 0.3905

Rectangle

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



84.4391, 0.2580, 0.3266



84.4391, 0.2511, 0.2826



84.4391, 0.3703, 0.3273



84.4391, 0.3778, 0.3722

Sweetspot

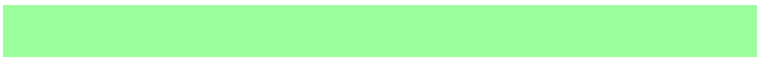
The Sweet Spot groups the original color and five complimentary colors.



84.4418, 0.2580, 0.3266



94.2598, 0.2943, 0.3283



80.9208, 0.3062, 0.4477



20.0533, 0.2923, 0.3283



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.



84.4418, 0.2580, 0.3266



82.3773, 0.2496, 0.3261



57.0822, 0.2490, 0.2681



20.4151, 0.2980, 0.3285



39.4872, 0.2230, 0.3226



3.8639, 0.2232, 0.3234

Inverse Universe

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



51.8175, 0.3189, 0.2337



45.6958, 0.3201, 0.2164



68.1096, 0.3898, 0.3825



18.2937, 0.3141, 0.3061



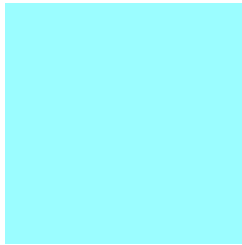
14.7142, 0.3260, 0.1570



1.4346, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 84.4391, 0.2580, 0.3266 looks on a white background.

Color Contrast Check

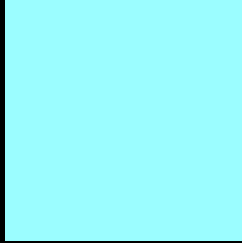
Large Text (above 18pt) WCAG AA × Fail

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 84.4391, 0.2580, 0.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

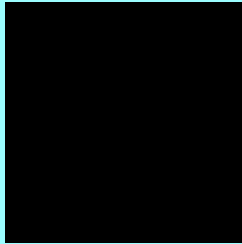
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4391, 0.2580, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 84.4391, 0.2580, 0.3266.

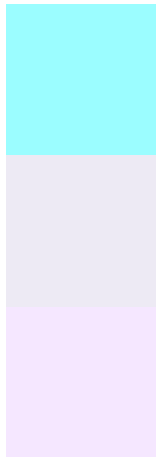


This preview shows how white text looks on a background with the Yxy color 84.4391, 0.2580, 0.3266.

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

84.4391, 0.2580, 0.3266

Protanopia

83.3818, 0.3085, 0.3189

Deuteranopia

83.7843, 0.3071, 0.3053



Tritanopia

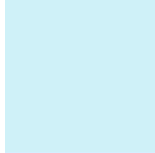
84.0635, 0.2791, 0.3173

Trichromacy



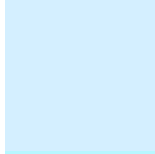
Original Color

84.4391, 0.2580, 0.3266



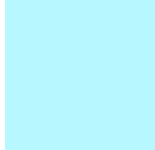
Protanomaly

82.9533, 0.2873, 0.3215



Deuteranomaly

82.9501, 0.2864, 0.3123



Tritanomaly

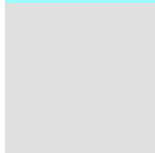
83.8088, 0.2707, 0.3202

Monochromacy



Original Color

84.4391, 0.2580, 0.3266



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.5569, 0.2895, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4391, 0.2580, 0.3266 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 253, 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(155, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.4391, 0.2580, 0.3266 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, 253, 255) }
```

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

```
.border{ border-color:rgb(155, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 253, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 253, 255); box-shadow:4px 4px 4px 4px rgb(155, 253, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4391, 0.2580, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 253, 255) }
```

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

```
.background{ background-color: rgb(155,  
253, 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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