

Converting Colors

$Y_{xy}(85.1209, 0.2573, 0.3282)$

Have a look what the booklet for
Yxy(85.1209, 0.2573, 0.3282)
contains.

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Color

Yxy(84.8759, 0.2573, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	99FEFF
RGB	153, 254, 255
RGB Percent	60%, 100%, 100%
CMY	0.3996, 0.0040, 0.0000
CMYK	0.40, 0.00, 0.00, 0.00
HSL	181°, 100%, 80%
HSV	181°, 40%, 100%
XYZ	66.6420, 84.8759, 107.4870
YIQ	223.9150, -60.5170, -21.1010

Conversions

Conversions Part 2

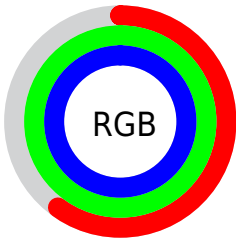
Format	Color
R_{YB}	153, 204, 255
Decimal	10092287
CIE _{Lab}	93.83, -29.21, -9.78
CIE _{LCh}	94, 30.803, 198.512
Yxy	84.8759, 0.2573, 0.3277
Android (android.graphics.Color)	4288282367 (0xFF99FEFF)
YUV	223.9150, 15.3249, -62.1925
Hunter-Lab	92.1281, -32.1041, -4.6847

Details

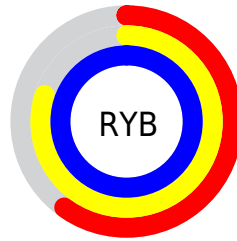
The Yxy color **84.8759, 0.2573, 0.3277** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.7069, 0.4143, 0.3304**, and the grayscale version is **74.4135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **46.4426, 0.2458, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **82.4946, 0.2470, 0.3274**, and if you desaturate by 10%, it is **87.7927, 0.2693, 0.3281**.

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 84.8759, 0.2573, 0.3277 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 84.8759, 0.2573, 0.3277 by changing the saturation by 10% instead.

 84.8759, 0.2573,
0.3277


 84.8759, 0.2573,
0.3277


511.2173, 0.2818,
0.3288

 63.7388, 0.2520,
0.3273


 140.1998, 0.2656,
0.3282

 46.4392, 0.2455,
0.3268


 175.1554, 0.2689,
0.3283

 32.5925, 0.2376,
0.3261


215.4860, 0.2717,
0.3285

 21.8145, 0.2275,
0.3251

261.5759, 0.2742,
0.3286

 13.7206, 0.2144,
0.3235

313.8096, 0.2764,
0.3286

 7.9266, 0.1966,
0.3208

372.5715, 0.2784,

 4.0480, 0.1715,

0.3287

0.3158

438.2460, 0.2802,
0.3288

■ 1.7005, 0.1334,
0.3056

■ 0.4240, 0.0000,
0.2682

■ 84.8759, 0.2573,
0.3277

■ 84.8759, 0.2573,
0.3277

■ 82.4946, 0.2470,
0.3274

■ 87.7927, 0.2693,
0.3281

■ 80.6071, 0.2386,
0.3270


■ 91.2686, 0.2827,
0.3284


■ 79.1780, 0.2322,
0.3267


■ 95.3346, 0.2973,
0.3287

■ 78.1638, 0.2277,
0.3263

100.0000, 0.3127,
0.3290

 77.5125, 0.2250,
0.3260

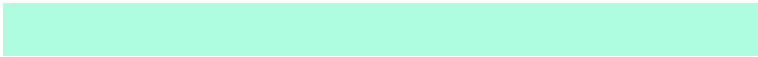
 77.1396, 0.2238,
0.3257

 77.1385, 0.2238,
0.3257

Harmonies

Analogous

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



84.8759, 0.2820, 0.3615



84.8759, 0.2573, 0.3277



84.8759, 0.2471, 0.2967

Triad

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



84.8759, 0.2573, 0.3277



84.8759, 0.3065, 0.2796



84.8759, 0.3750, 0.3796

Complementary

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



84.8759, 0.2573, 0.3277



46.7069, 0.4143, 0.3304

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.



84.8759, 0.3831, 0.3551



84.8759, 0.2573, 0.3277



84.8759, 0.3423, 0.2992

Square

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



84.8759, 0.2573, 0.3277



84.8759, 0.2742, 0.2714



84.8759, 0.3710, 0.3261



84.8759, 0.3499, 0.3919

Rectangle

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



84.8759, 0.2573, 0.3277



84.8759, 0.2493, 0.2820



84.8759, 0.3710, 0.3261



84.8759, 0.3798, 0.3724

Sweetspot

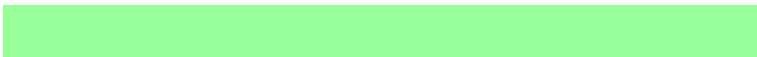
The Sweet Spot groups the original color and five complimentary colors.



84.8784, 0.2573, 0.3277



94.4580, 0.2943, 0.3286



80.6039, 0.3069, 0.4525



20.1003, 0.2923, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

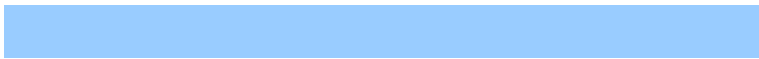
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8784, 0.2573, 0.3277



82.9227, 0.2489, 0.3274



57.2080, 0.2481, 0.2687



20.4487, 0.2980, 0.3287



40.3207, 0.2238, 0.3257



3.9355, 0.2239, 0.3261

Inverse Universe

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



51.2269, 0.3182, 0.2311



45.0679, 0.3192, 0.2134



66.7699, 0.3924, 0.3819



18.2971, 0.3140, 0.3058



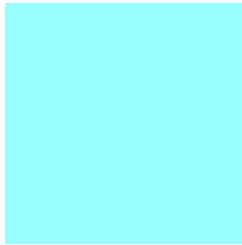
14.7984, 0.3234, 0.1555



1.4418, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 84.8759, 0.2573, 0.3277 looks on a white background.

Color Contrast Check

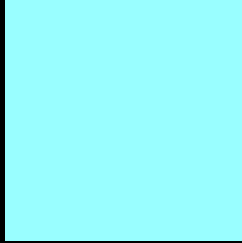
Large Text (above 18pt) WCAG AA × Fail

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 84.8759, 0.2573, 0.3277 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

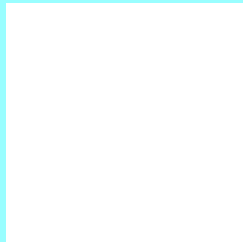
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8759, 0.2573, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 84.8759, 0.2573, 0.3277.

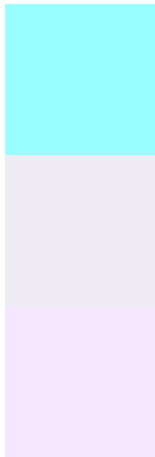


This preview shows how white text looks on a background with the Yxy color 84.8759, 0.2573, 0.3277.

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

84.8759, 0.2573, 0.3277

Protanopia

84.0649, 0.3098, 0.3209

Deuteranopia

83.7843, 0.3071, 0.3053



Tritanopia

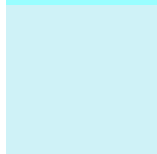
84.3389, 0.2803, 0.3173

Trichromacy



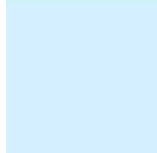
Original Color

84.8759, 0.2573, 0.3277



Protanomaly

83.4851, 0.2879, 0.3236



Deuteranomaly

82.9501, 0.2864, 0.3123



Tritanomaly

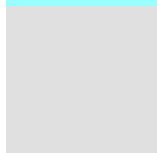
84.5452, 0.2713, 0.3213

Monochromacy



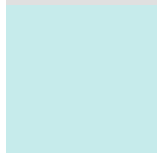
Original Color

84.8759, 0.2573, 0.3277



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 84.8759, 0.2573, 0.3277 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, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 254, 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, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.8759, 0.2573, 0.3277 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, 254, 255) }
```

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

```
.border{ border-color:rgb(153, 254, 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, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8759, 0.2573, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 254, 255) }
```

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

```
.background{ background-color: rgb(153,  
254, 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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