

Converting Colors

$Yxy(83.8601, 0.2554, 0.3266)$

Have a look what the booklet for
Yxy(83.8601, 0.2554, 0.3266)
contains.

Yxy(83.8601, 0.2554, 0.3266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.8601, 0.2554, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	95FDFF
RGB	149, 253, 255
RGB Percent	58%, 99%, 100%
CMY	0.4154, 0.0079, 0.0000
CMYK	0.42, 0.01, 0.00, 0.00
HSL	181°, 100%, 79%
HSV	181°, 42%, 100%
XYZ	65.5783, 83.8601, 107.3286
YIQ	222.1320, -62.6260, -21.4260

Conversions

Conversions Part 2

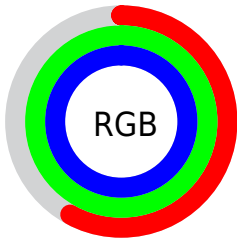
Format	Color
R _Y B	149, 201, 255
Decimal	9829887
CIE Lab	93.39, -29.69, -10.44
CIE LCh	93, 31.471, 199.375
Yxy	83.8601, 0.2554, 0.3266
Android (android.graphics.Color)	4288019967 (0xFF95FDFF)
YUV	222.1320, 16.2039, -64.1368
Hunter-Lab	91.5752, -32.4301, -5.3869

Details

The Yxy color **83.8601, 0.2554, 0.3266** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.5880, 0.4198, 0.3314**, and the grayscale version is **73.0752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **45.7307, 0.2433, 0.3259** is the 20% darker color. If you saturate the color by 10%, you get **81.4172, 0.2453, 0.3260**, and if you desaturate by 10%, it is **86.8354, 0.2672, 0.3272**.

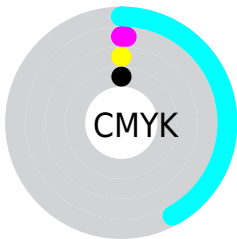
Distribution



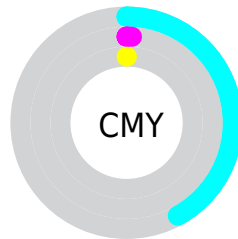
- Red (58%)
- Green (99%)
- Blue (100%)



- Red (58%)
- Yellow (79%)
- Blue (100%)



- Cyan (42%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8601, 0.2554, 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 83.8601, 0.2554, 0.3266 by changing the saturation by 10% instead.

 83.8601, 0.2554,
0.3266

 83.8601, 0.2554,
0.3266


507.8486, 0.2808,
0.3283

 62.8999, 0.2499,
0.3261


 138.7795, 0.2640,
0.3273

 45.7603, 0.2432,
0.3254


 173.5074, 0.2674,
0.3275

 32.0567, 0.2349,
0.3245


213.5935, 0.2703,
0.3277

 21.4048, 0.2245,
0.3232

259.4220, 0.2729,
0.3278

 13.4202, 0.2109,
0.3212

311.3774, 0.2752,
0.3280

 7.7185, 0.1925,
0.3178


369.8440, 0.2773,


 3.9154, 0.1665,


0.3281


0.3119

435.2063, 0.2791,
0.3282

 1.6263, 0.1263,
0.3002


 0.3753, 0.0000,
0.2462


 83.8601, 0.2554,
0.3266


 83.8601, 0.2554,
0.3266


 81.4172, 0.2453,
0.3260


 86.8354, 0.2672,
0.3272

 79.4622, 0.2371,
0.3253

 90.3648, 0.2805,
0.3278

 77.9597, 0.2309,
0.3247

 94.4804, 0.2950,
0.3284

 76.8651, 0.2266,
0.3240

 99.2094, 0.3103,
0.3289

■ 76.1246, 0.2241,
0.3234

99.9994, 0.3127,
0.3290

■ 75.7054, 0.2230,
0.3229

Harmonies

Analogous

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



83.8601, 0.2803, 0.3614



83.8601, 0.2554, 0.3266



83.8601, 0.2455, 0.2951

Triad

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



83.8601, 0.2554, 0.3266



83.8601, 0.3074, 0.2789



83.8601, 0.3760, 0.3814

Complementary

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



83.8601, 0.2554, 0.3266



45.5880, 0.4198, 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.



83.8601, 0.3850, 0.3565



83.8601, 0.2554, 0.3266



83.8601, 0.3441, 0.2992

Square

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



83.8601, 0.2554, 0.3266



83.8601, 0.2741, 0.2700



83.8601, 0.3731, 0.3269



83.8601, 0.3499, 0.3937

Rectangle

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



83.8601, 0.2554, 0.3266



83.8601, 0.2481, 0.2803



83.8601, 0.3731, 0.3269



83.8601, 0.3812, 0.3741

Sweetspot

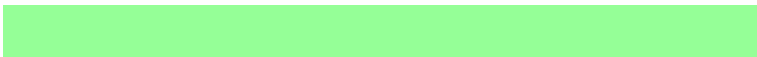
The Sweet Spot groups the original color and five complimentary colors.



83.8634, 0.2554, 0.3266



94.2839, 0.2943, 0.3284



80.1402, 0.3058, 0.4560



20.0590, 0.2923, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

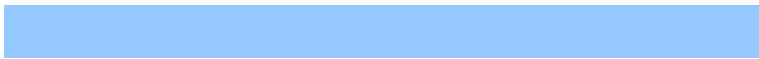
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8634, 0.2554, 0.3266



81.7669, 0.2467, 0.3261



55.0498, 0.2451, 0.2637



20.4192, 0.2980, 0.3285



39.5877, 0.2231, 0.3230



3.8725, 0.2233, 0.3237

Inverse Universe

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



49.8695, 0.3192, 0.2283



43.6344, 0.3205, 0.2101



66.5213, 0.3956, 0.3858



18.2941, 0.3141, 0.3060



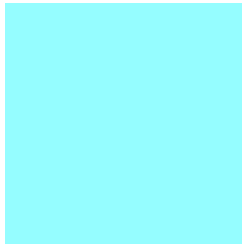
14.7244, 0.3257, 0.1568



1.4355, 0.3251, 0.1565

Previews

White Background



This preview shows how the Yxy color 83.8601, 0.2554, 0.3266 looks on a white background.

Color Contrast Check

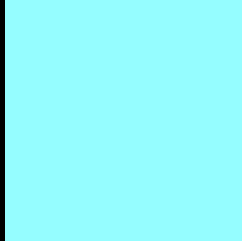
Large Text (above 18pt) WCAG AA × Fail

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 83.8601, 0.2554, 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

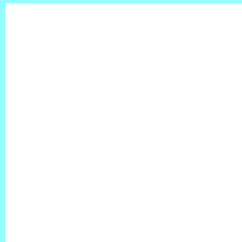
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8601, 0.2554, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 83.8601, 0.2554, 0.3266.

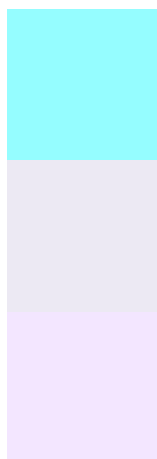


This preview shows how white text looks on a background with the Yxy color 83.8601, 0.2554, 0.3266.

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

83.8601, 0.2554, 0.3266

Protanopia

82.5818, 0.3085, 0.3188

Deuteranopia

82.8683, 0.3058, 0.3042



Tritanopia

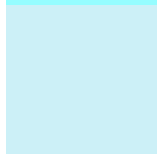
83.0569, 0.2773, 0.3161

Trichromacy



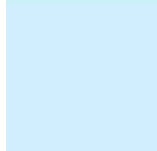
Original Color

83.8601, 0.2554, 0.3266



Protanomaly

81.8729, 0.2860, 0.3215



Deuteranomaly

81.9244, 0.2845, 0.3111



Tritanomaly

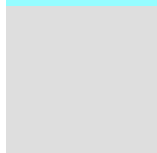
83.3252, 0.2686, 0.3202

Monochromacy



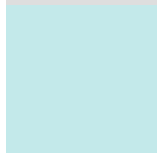
Original Color

83.8601, 0.2554, 0.3266



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.8204, 0.2875, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8601, 0.2554, 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(149, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.8601, 0.2554, 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(149, 253, 255) }
```

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

```
.border{ border-color:rgb(149, 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(149, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8601, 0.2554, 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(149, 253, 255) }
```

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

```
.background{ background-color: rgb(149,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor