

# Converting Colors

$Y_{xy}(84.9000, 0.2553, 0.3298)$

Have a look what the booklet for  
Yxy(84.9000, 0.2553, 0.3298)  
contains.

<b>Yxy(84.8788, 0.2553, 0.3299)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.8788, 0.2553, 0.3299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93FFFE
RGB	147, 255, 254
RGB Percent	58%, 100%, 100%
CMY	0.4236, 0.0000, 0.0038
CMYK	0.42, 0.00, 0.00, 0.00
HSL	179°, 100%, 79%
HSV	179°, 42%, 100%
XYZ	65.6852, 84.8788, 106.7224
YIQ	222.5940, -64.0470, -23.2070

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">147, 201, 255</a>
Decimal	<a href="#">9699326</a>
CIELab	<a href="#">93.83, -31.35, -9.30</a>
CIElCh	<a href="#">94, 32.702, 196.531</a>
Yxy	<a href="#">84.8788, 0.2553, 0.3299</a>
Android (android.graphics.Color)	<a href="#">4287889406</a> ( <a href="#">0xFF93FFFE</a> )
YUV	<a href="#">222.5940, 15.4832, -66.2959</a>
Hunter-Lab	<a href="#">92.1297, -33.9627, -4.1904</a>

# Details

The Yxy color **84.8788, 0.2553, 0.3299** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.2602, 0.4229, 0.3283**, and the grayscale version is **73.4116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **46.4456, 0.2432, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **82.7644, 0.2456, 0.3302**, and if you desaturate by 10%, it is **87.5191, 0.2667, 0.3297**.

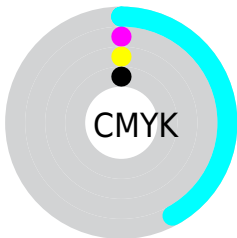
# Distribution



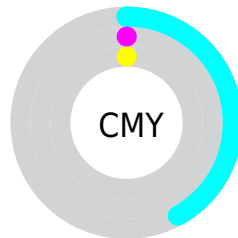
- Red (58%)
- Green (100%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8788, 0.2553, 0.3299 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 84.8788, 0.2553, 0.3299 by changing the saturation by 10% instead.




 84.8788, 0.2553,  
0.3299


 84.8788, 0.2553,  
0.3299


511.2269, 0.2807,  
0.3300

 63.7412, 0.2498,  
0.3297


 140.2038, 0.2639,  
0.3300

 46.4411, 0.2431,  
0.3295


 175.1601, 0.2673,  
0.3301

 32.5941, 0.2349,  
0.3291

215.4914, 0.2702,  
0.3301

 21.8157, 0.2244,  
0.3284

261.5821, 0.2728,  
0.3301

 13.7215, 0.2109,  
0.3273

313.8166, 0.2751,  
0.3301

 7.9272, 0.1926,  
0.3253

372.5793, 0.2772,

 4.0484, 0.1667,

0.3301

438.2546, 0.2790,  
0.3301

0.3212

1.7007, 0.1268,  
0.3126

0.4241, 0.0000,  
0.2747

84.8788, 0.2553,  
0.3299

84.8788, 0.2553,  
0.3299

82.7644, 0.2456,  
0.3302

87.5191, 0.2667,  
0.3297

81.1358, 0.2379,  
0.3304

90.7117, 0.2797,  
0.3294

79.9556, 0.2321,  
0.3307

94.4877, 0.2939,  
0.3292

79.1784, 0.2282,  
0.3310

98.8742, 0.3090,  
0.3290

■ 78.7498, 0.2261,  
0.3313

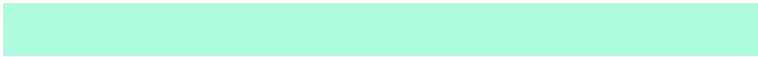
100.0000, 0.3127,  
0.3290

■ 78.5954, 0.2254,  
0.3315

# Harmonies

## Analogous

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



84.8788, 0.2822, 0.3657



84.8788, 0.2553, 0.3299



84.8788, 0.2435, 0.2965

# Triad

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



84.8788, 0.2553, 0.3299



84.8788, 0.3036, 0.2758



84.8788, 0.3799, 0.3811

# Complementary

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



84.8788, 0.2553, 0.3299



44.2602, 0.4229, 0.3283

# 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.



84.8788, 0.3873, 0.3545



84.8788, 0.2553, 0.3299



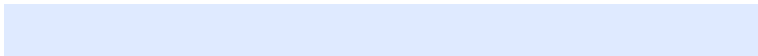
84.8788, 0.3417, 0.2958

# Square

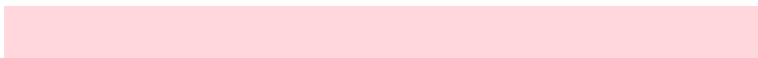
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8788, 0.2553, 0.3299



84.8788, 0.2700, 0.2680



84.8788, 0.3731, 0.3238



84.8788, 0.3542, 0.3955



# Rectangle

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



84.8788, 0.2553, 0.3299



84.8788, 0.2451, 0.2804



84.8788, 0.3731, 0.3238



84.8788, 0.3847, 0.3731

# Sweetspot

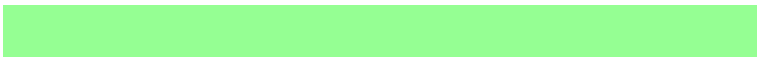
The Sweet Spot groups the original color and five complimentary colors.



84.8805, 0.2553, 0.3299



94.2270, 0.2929, 0.3292



79.9959, 0.3075, 0.4608



19.9809, 0.2897, 0.3293



0.0000, 0.0000, 0.0000

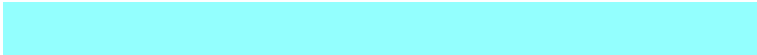


21.4041, 0.3127, 0.3290



# Same Dimension

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



84.8805, 0.2553, 0.3299



83.0223, 0.2468, 0.3301



56.0368, 0.2445, 0.2667



20.4786, 0.2981, 0.3292



41.0691, 0.2254, 0.3314



3.9996, 0.2253, 0.3311



# Inverse Universe

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



44.2602, 0.4229, 0.3283



37.4236, 0.4591, 0.3283



64.3024, 0.3992, 0.3833



17.9897, 0.3293, 0.3288



11.1125, 0.6392, 0.3295

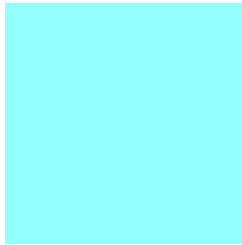


1.0829, 0.6370, 0.3283



# Previews

## White Background



This preview shows how the Yxy color 84.8788, 0.2553, 0.3299 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

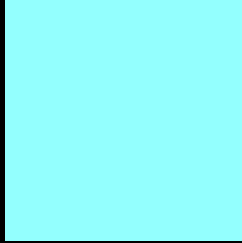
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8788, 0.2553, 0.3299 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 84.8788, 0.2553, 0.3299**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8788, 0.2553, 0.3299.

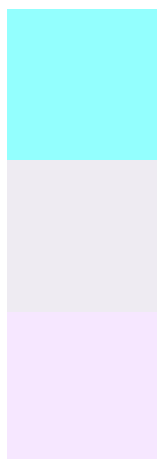


This preview shows how white text looks on a background with the Yxy color 84.8788, 0.2553, 0.3299.

# 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

84.8788, 0.2553, 0.3299

### Protanopia

84.0046, 0.3104, 0.3219

### Deuteranopia

83.9647, 0.3078, 0.3054



## Tritanopia

84.2007, 0.2797, 0.3173

# Trichromacy



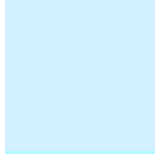
## Original Color

84.8788, 0.2553, 0.3299



## Protanomaly

83.1372, 0.2873, 0.3247



## Deuteranomaly

83.2418, 0.2852, 0.3133



## Tritanomaly

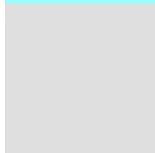
84.1786, 0.2698, 0.3213

# Monochromacy



## Original Color

84.8788, 0.2553, 0.3299



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

76.9593, 0.2876, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8788, 0.2553, 0.3299 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(147, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 254)  
}
```

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(147, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8788, 0.2553, 0.3299 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(147, 255, 254) }
```

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

```
.border{ border-color:rgb(147, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 255, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 255, 254); box-shadow:4px 4px 4px 4px rgb(147, 255, 254) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8788, 0.2553, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 254) }
```

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

```
.background{ background-color: rgb(147,  
255, 254) }
```

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