

# Converting Colors

$Yxy(81.7291, 0.2591, 0.3368)$

Have a look what the booklet for  
Yxy(81.7291, 0.2591, 0.3368)  
contains.

<b>Yxy(81.7291, 0.2591, 0.3368)</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(81.7291, 0.2591, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93FBF4
RGB	147, 251, 244
RGB Percent	58%, 98%, 96%
CMY	0.4231, 0.0157, 0.0431
CMYK	0.41, 0.00, 0.03, 0.02
HSL	176°, 93%, 78%
HSV	176°, 41%, 98%
XYZ	62.8741, 81.7291, 98.0604
YIQ	219.1060, -59.7370, -24.2250

# Conversions

## Conversions Part 2

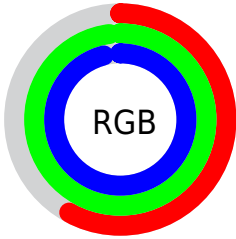
Format	Color
<a href="#">RYB</a>	<a href="#">147, 201, 251</a>
Decimal	<a href="#">9698292</a>
CIELab	<a href="#">92.46, -31.82, -6.15</a>
CIElCh	<a href="#">92, 32.408, 190.938</a>
Yxy	<a href="#">81.7291, 0.2591, 0.3368</a>
Android (android.graphics.Color)	<a href="#">4287888372</a> ( <a href="#">0xFF93FBF4</a> )
YUV	<a href="#">219.1060, 12.2727, -63.2370</a>
Hunter-Lab	<a href="#">90.4041, -34.0644, -1.0283</a>

# Details

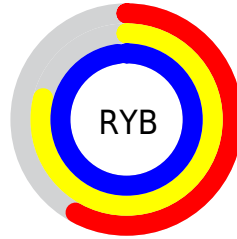
The Yxy color **81.7291, 0.2591, 0.3368** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.7431, 0.4126, 0.3219**, and the grayscale version is **70.8787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **44.2891, 0.2471, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **79.5557, 0.2497, 0.3390**, and if you desaturate by 10%, it is **84.4161, 0.2702, 0.3347**.

# Distribution



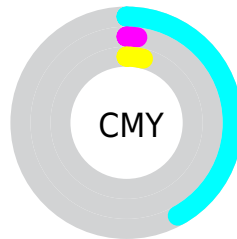
- Red (58%)
- Green (98%)
- Blue (96%)



- Red (58%)
- Yellow (79%)
- Blue (98%)



- Cyan (41%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)




- Cyan (42%)
- Magenta (2%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7291, 0.2591, 0.3368 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 81.7291, 0.2591, 0.3368 by changing the saturation by 10% instead.




 81.7291, 0.2591,  
0.3368


 81.7291, 0.2591,  
0.3368

500.7411, 0.2831,  
0.3337

 61.1423, 0.2538,  
0.3374


 135.7940, 0.2672,  
0.3358

 44.3400, 0.2474,  
0.3381


 170.0409, 0.2705,  
0.3354

 30.9379, 0.2395,  
0.3389


209.6100, 0.2733,  
0.3350

 20.5516, 0.2293,  
0.3398

254.8855, 0.2757,  
0.3347

 12.7966, 0.2160,  
0.3408

306.2521, 0.2779,  
0.3344

 7.2886, 0.1978,  
0.3417


364.0939, 0.2798,


 3.6433, 0.1716,


0.3341


428.7954, 0.2815,  
0.3339


0.3422


 1.4761, 0.1241,  
0.3432


 0.2718, 0.0000,  
0.2724


 81.7291, 0.2591,  
0.3368


 81.7291, 0.2591,  
0.3368


 79.5557, 0.2497,  
0.3390


 84.4161, 0.2702,  
0.3347


 77.8530, 0.2421,  
0.3412


 87.6374, 0.2827,  
0.3327


 76.5870, 0.2365,  
0.3435


 91.4240, 0.2963,  
0.3309


 75.7150, 0.2328,  
0.3458


 95.8018, 0.3107,  
0.3292

 75.1856, 0.2310,  
0.3481

 97.3030, 0.3144,  
0.3276

 74.9356, 0.2306,  
0.3500

 97.4106, 0.3134,  
0.3260

 97.4669, 0.3129,  
0.3252

# Harmonies

## Analogous

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



81.7291, 0.2884, 0.3718



81.7291, 0.2591, 0.3368



81.7291, 0.2442, 0.3019

# Triad

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



81.7291, 0.2591, 0.3368



81.7291, 0.2966, 0.2732



81.7291, 0.3831, 0.3769

# Complementary

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



81.7291, 0.2591, 0.3368



43.7431, 0.4126, 0.3219

# 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.



81.7291, 0.3865, 0.3489



81.7291, 0.2591, 0.3368



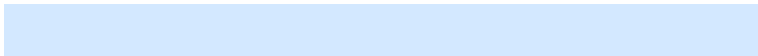
81.7291, 0.3348, 0.2912

# Square

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



81.7291, 0.2591, 0.3368



81.7291, 0.2648, 0.2679



81.7291, 0.3685, 0.3182

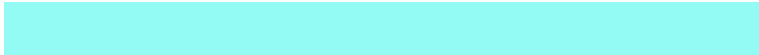


81.7291, 0.3602, 0.3944



# Rectangle

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



81.7291, 0.2591, 0.3368



81.7291, 0.2436, 0.2841



81.7291, 0.3685, 0.3182



81.7291, 0.3867, 0.3683

# Sweetspot

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



81.7323, 0.2591, 0.3368



94.5197, 0.2954, 0.3310



78.1411, 0.3116, 0.4557



20.1150, 0.2936, 0.3312



0.0000, 0.0000, 0.0000

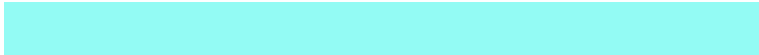


21.4041, 0.3127, 0.3290

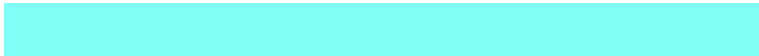


# Same Dimension

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



81.7323, 0.2591, 0.3368



82.7515, 0.2508, 0.3387



58.1445, 0.2476, 0.2771



19.5873, 0.2989, 0.3306



39.4022, 0.2305, 0.3496



3.6552, 0.2297, 0.3469



# Inverse Universe

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



43.7431, 0.4126, 0.3219



38.3474, 0.4460, 0.3206



59.6130, 0.3998, 0.3750



17.2441, 0.3284, 0.3274



10.8087, 0.6331, 0.3261

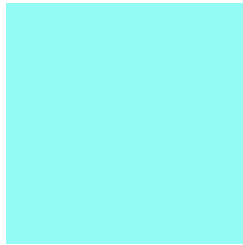


1.0075, 0.6169, 0.3172



# Previews

## White Background



This preview shows how the Yxy color 81.7291, 0.2591, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

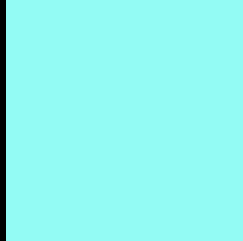
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.7291, 0.2591, 0.3368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

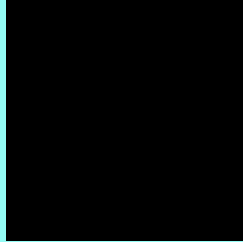
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.7291, 0.2591, 0.3368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.7291, 0.2591, 0.3368.

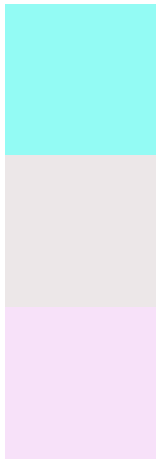


This preview shows how white text looks on a background with the Yxy color 81.7291, 0.2591, 0.3368.

# 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

81.7291, 0.2591, 0.3368

### Protanopia

80.8109, 0.3155, 0.3280

### Deuteranopia

80.4641, 0.3125, 0.3052



## Tritanopia

81.2891, 0.2723, 0.3149

# Trichromacy



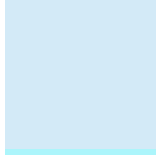
## Original Color

81.7291, 0.2591, 0.3368



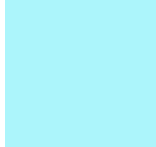
## Protanomaly

80.0426, 0.2921, 0.3311



## Deuteranomaly

79.4099, 0.2900, 0.3152



## Tritanomaly

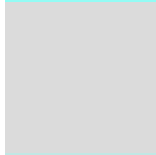
81.0405, 0.2667, 0.3222

# Monochromacy



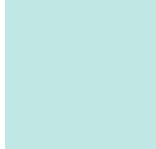
## Original Color

81.7291, 0.2591, 0.3368



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.0907, 0.2896, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.7291, 0.2591, 0.3368 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, 251, 244)` looks like.

```
.text, #text, p{  
    color:rgb(147, 251, 244)  
}
```

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, 251, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 251, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 81.7291, 0.2591, 0.3368 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, 251, 244) }
```

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

```
.border{ border-color:rgb(147, 251, 244) }
```

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

Here you see how a box with a 4 pixel rgb(147, 251, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 251, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 251, 244);  
box-shadow:4px 4px 4px 4px rgb(147, 251,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.7291, 0.2591, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 251, 244) }
```

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

```
.background{ background-color: rgb(147,  
251, 244) }
```

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