

# Converting Colors

$Yxy(83.9126, 0.2524, 0.3323)$

Have a look what the booklet for  
Yxy(83.9126, 0.2524, 0.3323)  
contains.

<b>Yxy(83.9515, 0.2525, 0.3322)</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(83.9515, 0.2525, 0.3322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AFFFC
RGB	138, 255, 252
RGB Percent	54%, 100%, 99%
CMY	0.4589, 0.0000, 0.0117
CMYK	0.46, 0.00, 0.01, 0.00
HSL	178°, 100%, 77%
HSV	178°, 46%, 100%
XYZ	63.8102, 83.9515, 104.9520
YIQ	219.6750, -68.7690, -25.7370

# Conversions

## Conversions Part 2

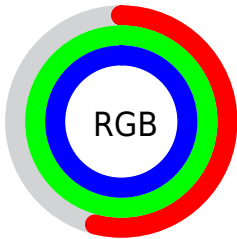
Format	Color
<a href="#">RYB</a>	<a href="#">138, 197, 255</a>
Decimal	<a href="#">9109500</a>
CIELab	<a href="#">93.43, -33.87, -8.89</a>
CIElCh	<a href="#">93, 35.015, 194.712</a>
Yxy	<a href="#">83.9515, 0.2525, 0.3322</a>
Android (android.graphics.Color)	<a href="#">4287299580</a> ( <a href="#">0xFF8AFFFC</a> )
YUV	<a href="#">219.6750, 15.9362, -71.6290</a>
Hunter-Lab	<a href="#">91.6251, -36.0315, -3.7763</a>

# Details

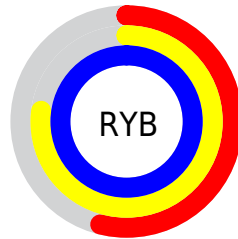
The Yxy color **83.9515, 0.2525, 0.3322** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.3506, 0.4350, 0.3263**, and the grayscale version is **71.2497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **45.8648, 0.2400, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **81.9843, 0.2436, 0.3330**, and if you desaturate by 10%, it is **86.4273, 0.2632, 0.3314**.

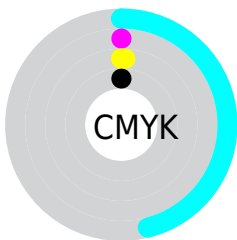
# Distribution



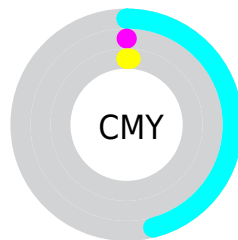
- Red (54%)
- Green (100%)
- Blue (99%)



- Red (54%)
- Yellow (77%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9515, 0.2525, 0.3322 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 83.9515, 0.2525, 0.3322 by changing the saturation by 10% instead.




 83.9515, 0.2525,  
0.3322


 83.9515, 0.2525,  
0.3322


508.1522, 0.2792,  
0.3313

 62.9754, 0.2467,  
0.3323

 138.9073, 0.2615,  
0.3320

 45.8213, 0.2397,  
0.3323


 173.6558, 0.2651,  
0.3319

 32.1048, 0.2310,  
0.3322

213.7639, 0.2682,  
0.3318

 21.4416, 0.2200,  
0.3319

259.6160, 0.2709,  
0.3317

 13.4472, 0.2058,  
0.3313

311.5965, 0.2733,  
0.3316

 7.7372, 0.1865,  
0.3298


370.0898, 0.2755,


 3.9272, 0.1593,


0.3315


435.4802, 0.2774,  
0.3314


0.3265


 1.6329, 0.1148,  
0.3198


 0.3797, 0.0000,  
0.2680

 83.9515, 0.2525,  
0.3322


 83.9515, 0.2525,  
0.3322


 81.9843, 0.2436,  
0.3330

 86.4273, 0.2632,  
0.3314


 80.4924, 0.2366,  
0.3338

 89.4475, 0.2755,  
0.3307

 79.4338, 0.2316,  
0.3347

 93.0410, 0.2891,  
0.3300

 78.7606, 0.2285,  
0.3355

 97.2358, 0.3037,  
0.3293

■ 78.4131, 0.2271,  
0.3363

100.0000, 0.3127,  
0.3290

■ 78.3289, 0.2269,  
0.3367

# Harmonies

## Analogous

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



83.9515, 0.2820, 0.3707



83.9515, 0.2525, 0.3322



83.9515, 0.2389, 0.2957

# Triad

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



83.9515, 0.2525, 0.3322



83.9515, 0.3004, 0.2713



83.9515, 0.3860, 0.3832

# Complementary

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



83.9515, 0.2525, 0.3322



41.3506, 0.4350, 0.3263

# 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.



83.9515, 0.3926, 0.3540



83.9515, 0.2525, 0.3322



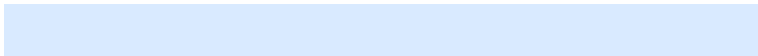
83.9515, 0.3414, 0.2919

# Square

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



83.9515, 0.2525, 0.3322



83.9515, 0.2651, 0.2637



83.9515, 0.3760, 0.3213



83.9515, 0.3592, 0.4001



# Rectangle

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



83.9515, 0.2525, 0.3322



83.9515, 0.2399, 0.2780



83.9515, 0.3760, 0.3213



83.9515, 0.3907, 0.3743

# Sweetspot

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



83.9505, 0.2525, 0.3322



93.7882, 0.2918, 0.3299



79.0937, 0.3080, 0.4732



19.8926, 0.2887, 0.3300



0.0000, 0.0000, 0.0000

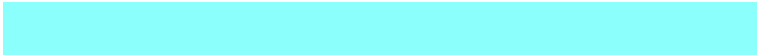


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.9505, 0.2525, 0.3322



82.1400, 0.2443, 0.3329



54.1090, 0.2394, 0.2629



20.4730, 0.2984, 0.3296



40.9321, 0.2268, 0.3365



3.9879, 0.2266, 0.3356



# Inverse Universe

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



41.3506, 0.4350, 0.3263



34.7802, 0.4745, 0.3260



61.0510, 0.4095, 0.3858



17.9946, 0.3291, 0.3284



11.1195, 0.6375, 0.3286

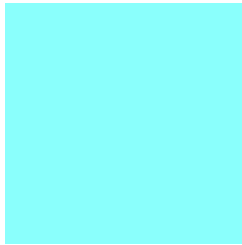


1.0852, 0.6314, 0.3252



# Previews

## White Background



This preview shows how the Yxy color 83.9515, 0.2525, 0.3322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

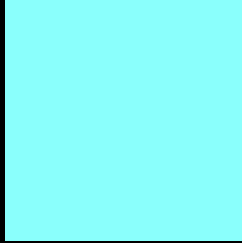
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9515, 0.2525, 0.3322 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

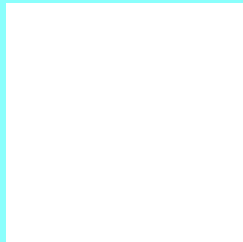
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.9515, 0.2525, 0.3322**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9515, 0.2525, 0.3322.

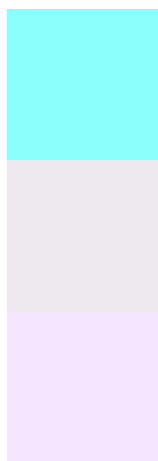


This preview shows how white text looks on a background with the Yxy color 83.9515, 0.2525, 0.3322.

# 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

83.9515, 0.2525, 0.3322

### Protanopia

82.5143, 0.3117, 0.3229

### Deuteranopia

82.6711, 0.3072, 0.3033



## Tritanopia

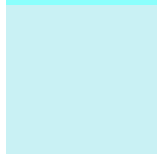
83.3907, 0.2763, 0.3172

# Trichromacy



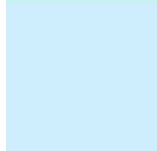
## Original Color

83.9515, 0.2525, 0.3322



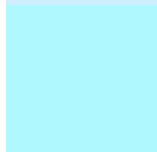
## Protanomaly

81.8598, 0.2860, 0.3257



## Deuteranomaly

81.4266, 0.2833, 0.3121



## Tritanomaly

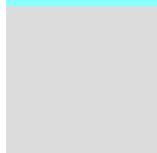
83.2892, 0.2667, 0.3223

# Monochromacy



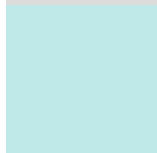
## Original Color

83.9515, 0.2525, 0.3322



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

75.0512, 0.2856, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9515, 0.2525, 0.3322 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(138, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 252)  
}
```

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(138, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9515, 0.2525, 0.3322 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(138, 255, 252) }
```

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

```
.border{ border-color:rgb(138, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9515, 0.2525, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 252) }
```

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

```
.background{ background-color: rgb(138,  
255, 252) }
```

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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