

# Converting Colors

$Yxy(83.4083, 0.2647, 0.3557)$

Have a look what the booklet for  
Yxy(83.4083, 0.2647, 0.3557)  
contains.

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# Color

**Yxy(83.4572, 0.2648, 0.3554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92FFE8
RGB	146, 255, 232
RGB Percent	57%, 100%, 91%
CMY	0.4274, 0.0000, 0.0901
CMYK	0.43, 0.00, 0.09, 0.00
HSL	167°, 100%, 79%
HSV	167°, 43%, 100%
XYZ	62.1820, 83.4572, 89.1870
YIQ	219.7870, -57.5810, -30.2610

# Conversions

## Conversions Part 2

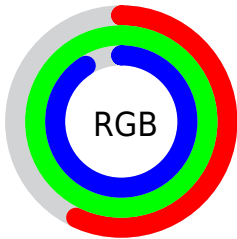
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 207, 255
Decimal	9633768
CIE <sub>Lab</sub>	93.21, -36.70, 1.17
CIE <sub>LCh</sub>	93, 36.714, 178.173
Yxy	83.4572, 0.2648, 0.3554
Android (android.graphics.Color)	4287823848 (0xFF92FFE8)
<b>YUV</b>	219.7870, 6.0210, -64.7112
Hunter-Lab	91.3549, -38.3727, 6.0655

# Details

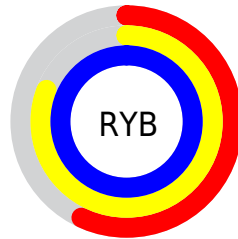
The Yxy color **83.4572, 0.2648, 0.3554** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.6847, 0.4007, 0.3052**, and the grayscale version is **71.4040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **45.5490, 0.2543, 0.3624** is the 20% darker color. If you saturate the color by 10%, you get **81.0757, 0.2568, 0.3627**, and if you desaturate by 10%, it is **86.3727, 0.2744, 0.3484**.

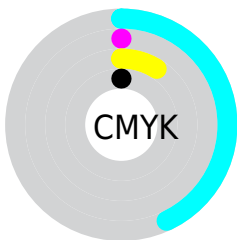
# Distribution



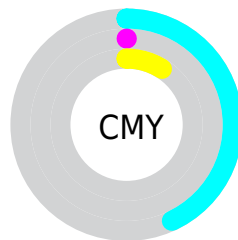
- Red (57%)
- Green (100%)
- Blue (91%)



- Red (57%)
- Yellow (81%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4572, 0.2648, 0.3554 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 83.4572, 0.2648, 0.3554 by changing the saturation by 10% instead.



 83.4572, 0.2648,  
0.3554


 83.4572, 0.2648,  
0.3554


506.5090, 0.2864,  
0.3435

 62.5674, 0.2600,  
0.3581


 138.2156, 0.2722,  
0.3513

 45.4913, 0.2542,  
0.3613


 172.8530, 0.2751,  
0.3497

 31.8446, 0.2469,  
0.3654


212.8418, 0.2776,  
0.3483

 21.2428, 0.2376,  
0.3706

258.5662, 0.2798,  
0.3471

 13.3016, 0.2253,  
0.3776

310.4107, 0.2817,  
0.3460

 7.6366, 0.2082,  
0.3873


368.7598, 0.2834,


 3.8633, 0.1832,


0.3451


0.4017


433.9977, 0.2850,  
0.3442

 1.5974, 0.1332,  
0.4302


 0.3558, 0.0000,  
0.5380


 83.4572, 0.2648,  
0.3554


 83.4572, 0.2648,  
0.3554


 81.0757, 0.2568,  
0.3627


 86.3727, 0.2744,  
0.3484

 79.1879, 0.2505,  
0.3704

 89.8488, 0.2851,  
0.3419

 77.7559, 0.2462,  
0.3782

 93.9166, 0.2969,  
0.3359

 76.7342, 0.2440,  
0.3860

 98.6034, 0.3092,  
0.3304

■ 76.0677, 0.2436,  
0.3938

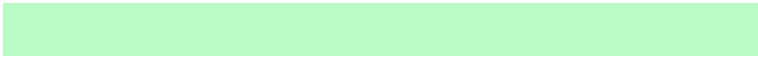
100.0000, 0.3127,  
0.3290

■ 75.7478, 0.2443,  
0.3994

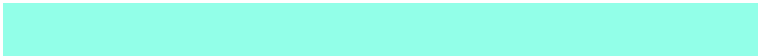
# Harmonies

## Analogous

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



83.4572, 0.3022, 0.3906



83.4572, 0.2648, 0.3554



83.4572, 0.2410, 0.3139

# Triad

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



83.4572, 0.2648, 0.3554



83.4572, 0.2779, 0.2624



83.4572, 0.3965, 0.3697

# Complementary

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



83.4572, 0.2648, 0.3554



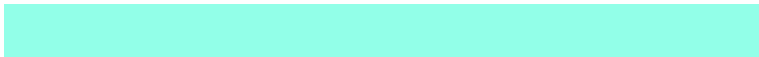
44.6847, 0.4007, 0.3052

# 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.



83.4572, 0.3900, 0.3361



83.4572, 0.2648, 0.3554



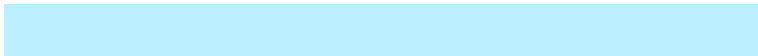
83.4572, 0.3189, 0.2768

# Square

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



83.4572, 0.2648, 0.3554



83.4572, 0.2482, 0.2631



83.4572, 0.3608, 0.3031



83.4572, 0.3791, 0.3959



# Rectangle

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



83.4572, 0.2648, 0.3554



83.4572, 0.2350, 0.2902



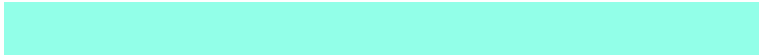
83.4572, 0.3608, 0.3031



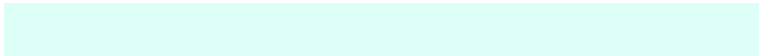
83.4572, 0.3971, 0.3589

# Sweetspot

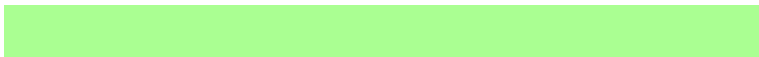
The Sweet Spot groups the original color and five complimentary colors.



83.4590, 0.2648, 0.3554



93.8038, 0.2966, 0.3360



82.0997, 0.3199, 0.4572



19.8753, 0.2939, 0.3373



0.0000, 0.0000, 0.0000

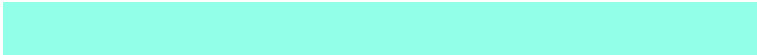


21.4041, 0.3127, 0.3290

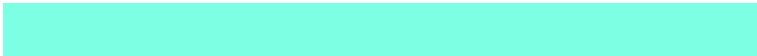


# Same Dimension

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



83.4590, 0.2648, 0.3554



81.4542, 0.2581, 0.3614



66.7071, 0.2484, 0.2928



20.4120, 0.3008, 0.3341



39.6026, 0.2439, 0.3981



3.8716, 0.2415, 0.3892



# Inverse Universe

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



44.6847, 0.4007, 0.3052



38.1938, 0.4278, 0.3011



54.7363, 0.4105, 0.3616



18.0497, 0.3261, 0.3240



11.2643, 0.6051, 0.3107

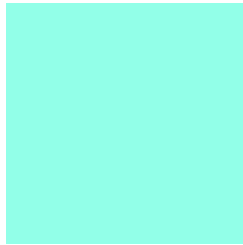


1.1118, 0.5748, 0.2940



# Previews

## White Background



This preview shows how the Yxy color 83.4572, 0.2648, 0.3554 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

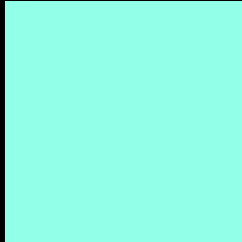
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.4572, 0.2648, 0.3554 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

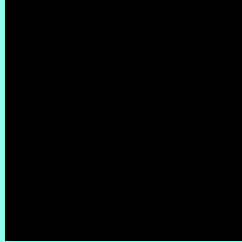
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

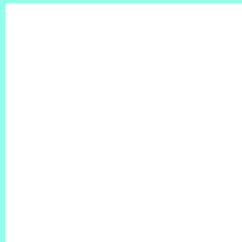
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.4572, 0.2648, 0.3554**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.4572, 0.2648, 0.3554.

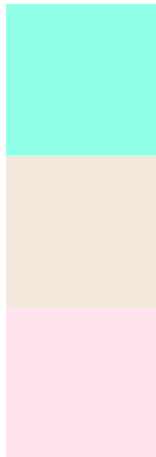


This preview shows how white text looks on a background with the Yxy color 83.4572, 0.2648, 0.3554.

# 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

83.4572, 0.2648, 0.3554

### Protanopia

82.3224, 0.3272, 0.3424

### Deuteranopia

82.3712, 0.3250, 0.3182



## Tritanopia

82.9233, 0.2768, 0.3161

# Trichromacy



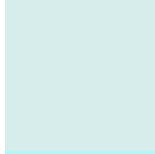
## Original Color

83.4572, 0.2648, 0.3554



## Protanomaly

81.5578, 0.3009, 0.3474



## Deuteranomaly

81.0716, 0.2990, 0.3300



## Tritanomaly

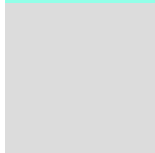
82.5840, 0.2715, 0.3289

# Monochromacy



## Original Color

83.4572, 0.2648, 0.3554



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

74.9971, 0.2920, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.4572, 0.2648, 0.3554 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(146, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 232)  
}
```

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(146, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 83.4572, 0.2648, 0.3554 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(146, 255, 232) }
```

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

```
.border{ border-color:rgb(146, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.4572, 0.2648, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 232) }
```

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

```
.background{ background-color: rgb(146,  
255, 232) }
```

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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