

# Converting Colors

$Yxy(83.9601, 0.2661, 0.3535)$

Have a look what the booklet for  
Yxy(83.9601, 0.2661, 0.3535)  
contains.

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# Color

**Yxy(83.9445, 0.2657, 0.3529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96FFEA
RGB	150, 255, 234
RGB Percent	59%, 100%, 92%
CMY	0.4114, 0.0000, 0.0823
CMYK	0.41, 0.00, 0.08, 0.00
HSL	168°, 100%, 79%
HSV	168°, 41%, 100%
XYZ	63.2022, 83.9445, 90.7238
YIQ	221.2110, -55.8390, -28.7910

# Conversions

## Conversions Part 2

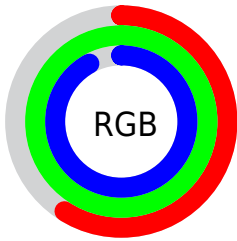
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 208, 255
Decimal	9895914
CIELab	93.43, -35.25, 0.47
CIElCh	93, 35.252, 179.240
Yxy	83.9445, 0.2657, 0.3529
Android (android.graphics.Color)	4288085994 (0xFF96FFEA)
YUV	221.2110, 6.3050, -62.4520
Hunter-Lab	91.6212, -37.2042, 5.4256

# Details

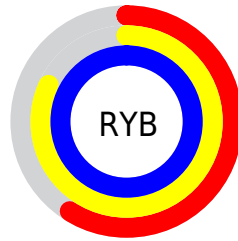
The Yxy color **83.9445, 0.2657, 0.3529** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.0422, 0.3971, 0.3072**, and the grayscale version is **72.4628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **45.8778, 0.2555, 0.3590** is the 20% darker color. If you saturate the color by 10%, you get **81.4956, 0.2573, 0.3598**, and if you desaturate by 10%, it is **86.9349, 0.2756, 0.3464**.

# Distribution



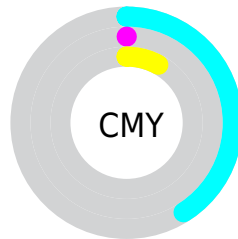
- Red (59%)
- Green (100%)
- Blue (92%)



- Red (59%)
- Yellow (82%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9445, 0.2657, 0.3529 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 83.9445, 0.2657, 0.3529 by changing the saturation by 10% instead.




 83.9445, 0.2657,  
0.3529

 83.9445, 0.2657,  
0.3529


508.1289, 0.2868,  
0.3422

 62.9696, 0.2610,  
0.3553


 138.8975, 0.2729,  
0.3492

 45.8166, 0.2553,  
0.3582


 173.6445, 0.2757,  
0.3478

 32.1011, 0.2482,  
0.3618


213.7509, 0.2782,  
0.3465

 21.4388, 0.2392,  
0.3665

259.6012, 0.2804,  
0.3454

 13.4451, 0.2272,  
0.3726

311.5797, 0.2823,  
0.3445

 7.7358, 0.2106,  
0.3812

370.0709, 0.2839,

 3.9263, 0.1863,

0.3436

435.4592, 0.2855,  
0.3428

0.3937

1.6324, 0.1411,  
0.4171

0.3793, 0.0000,  
0.4993

83.9445, 0.2657,  
0.3529

83.9445, 0.2657,  
0.3529

81.4956, 0.2573,  
0.3598

86.9349, 0.2756,  
0.3464

79.5437, 0.2507,  
0.3670

90.4881, 0.2867,  
0.3403

78.0534, 0.2460,  
0.3743

94.6367, 0.2986,  
0.3347

76.9803, 0.2433,  
0.3817

99.4074, 0.3113,  
0.3296

■ 76.2712, 0.2425,  
0.3890

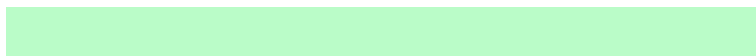
99.9939, 0.3127,  
0.3290

■ 75.8738, 0.2432,  
0.3955

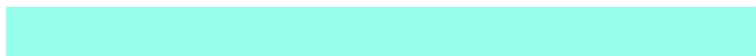
# Harmonies

## Analogous

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



83.9445, 0.3014, 0.3869



83.9445, 0.2657, 0.3529



83.9445, 0.2433, 0.3133

# Triad

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



83.9445, 0.2657, 0.3529



83.9445, 0.2806, 0.2652



83.9445, 0.3928, 0.3693

# Complementary

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



83.9445, 0.2657, 0.3529



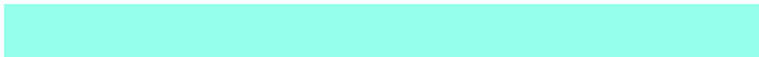
46.0422, 0.3971, 0.3072

# 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.



83.9445, 0.3873, 0.3372



83.9445, 0.2657, 0.3529



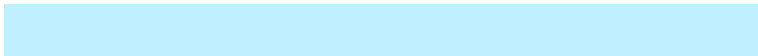
83.9445, 0.3202, 0.2795

# Square

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



83.9445, 0.2657, 0.3529



83.9445, 0.2515, 0.2654



83.9445, 0.3601, 0.3052



83.9445, 0.3755, 0.3939



# Rectangle

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



83.9445, 0.2657, 0.3529



83.9445, 0.2380, 0.2909



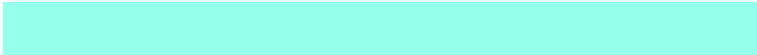
83.9445, 0.3601, 0.3052



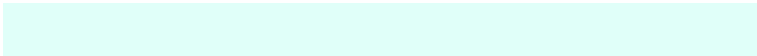
83.9445, 0.3937, 0.3590

# Sweetspot

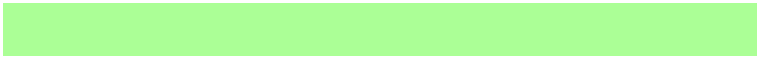
The Sweet Spot groups the original color and five complimentary colors.



83.9478, 0.2657, 0.3529



94.2634, 0.2976, 0.3351



82.3846, 0.3188, 0.4522



20.0543, 0.2960, 0.3358



0.0000, 0.0000, 0.0000

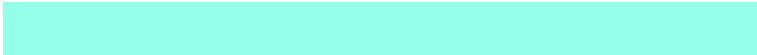


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.9478, 0.2657, 0.3529



81.9838, 0.2590, 0.3583



66.7657, 0.2503, 0.2923



20.4155, 0.3007, 0.3338



39.6710, 0.2429, 0.3943



3.8777, 0.2405, 0.3859



# Inverse Universe

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



46.0422, 0.3971, 0.3072



39.6063, 0.4225, 0.3035



56.7389, 0.4047, 0.3623



18.0464, 0.3263, 0.3243



11.2503, 0.6080, 0.3123

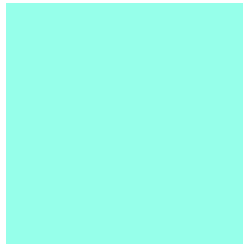


1.1100, 0.5782, 0.2959



# Previews

## White Background



This preview shows how the Yxy color 83.9445, 0.2657, 0.3529 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

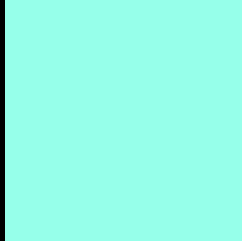
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9445, 0.2657, 0.3529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

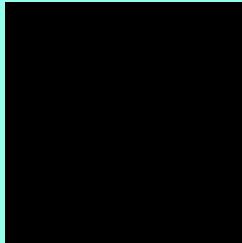
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

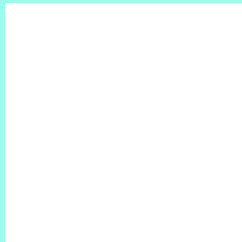
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.9445, 0.2657, 0.3529**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9445, 0.2657, 0.3529.

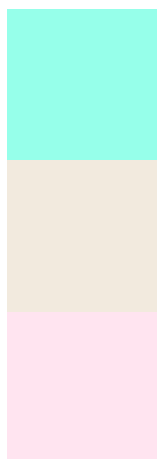


This preview shows how white text looks on a background with the Yxy color 83.9445, 0.2657, 0.3529.

# 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

83.9445, 0.2657, 0.3529

### Protanopia

82.9968, 0.3258, 0.3413

### Deuteranopia

83.0381, 0.3236, 0.3172



## Tritanopia

83.1915, 0.2779, 0.3162

# Trichromacy



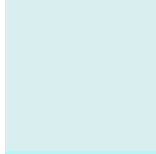
## Original Color

83.9445, 0.2657, 0.3529



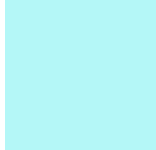
## Protanomaly

82.5506, 0.3010, 0.3462



## Deuteranomaly

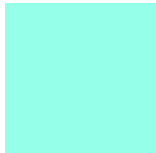
82.0738, 0.2991, 0.3290



## Tritanomaly

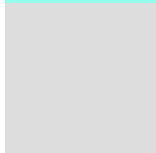
82.9402, 0.2731, 0.3289

# Monochromacy



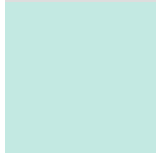
## Original Color

83.9445, 0.2657, 0.3529



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

75.3709, 0.2921, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9445, 0.2657, 0.3529 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(150, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 234)  
}
```

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(150, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9445, 0.2657, 0.3529 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(150, 255, 234) }
```

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

```
.border{ border-color:rgb(150, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9445, 0.2657, 0.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 234) }
```

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

```
.background{ background-color: rgb(150,  
255, 234) }
```

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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