

# Converting Colors

$Yxy(84.6147, 0.2639, 0.3451)$

Have a look what the booklet for  
Yxy(84.6147, 0.2639, 0.3451)  
contains.

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# Color

**Yxy(84.6432, 0.2638, 0.3447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFF1
RGB	153, 255, 241
RGB Percent	60%, 100%, 95%
CMY	0.3999, 0.0000, 0.0549
CMYK	0.40, 0.00, 0.05, 0.00
HSL	172°, 100%, 80%
HSV	172°, 40%, 100%
XYZ	64.7777, 84.6432, 96.1352
YIQ	222.9060, -56.2980, -25.9780

# Conversions

## Conversions Part 2

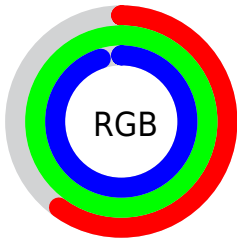
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 208, 255
Decimal	10092529
CIE <sub>Lab</sub>	93.73, -32.96, -2.68
CIE <sub>LCh</sub>	94, 33.066, 184.650
Yxy	84.6432, 0.2638, 0.3447
Android (android.graphics.Color)	4288282609 (0xFF99FF1)
YUV	222.9060, 8.9203, -61.3076
Hunter-Lab	92.0017, -35.3226, 2.4474

# Details

The Yxy color **84.6432, 0.2638, 0.3447** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.8466, 0.4003, 0.3145**, and the grayscale version is **73.6944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **46.3238, 0.2530, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **82.2165, 0.2547, 0.3493**, and if you desaturate by 10%, it is **87.6105, 0.2744, 0.3403**.

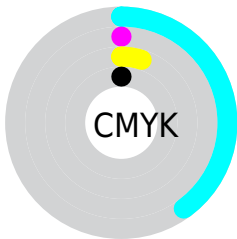
# Distribution



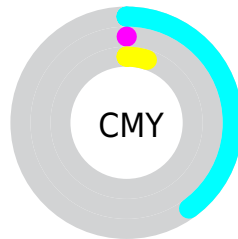
- Red (60%)
- Green (100%)
- Blue (95%)



- Red (60%)
- Yellow (82%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6432, 0.2638, 0.3447 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 84.6432, 0.2638, 0.3447 by changing the saturation by 10% instead.




 84.6432, 0.2638,  
0.3447


 84.6432, 0.2638,  
0.3447


510.4467, 0.2856,  
0.3379

 63.5466, 0.2590,  
0.3462


 139.8746, 0.2712,  
0.3424

 46.2836, 0.2532,  
0.3479


 174.7781, 0.2741,  
0.3415

 32.4696, 0.2459,  
0.3501


215.0528, 0.2767,  
0.3407

 21.7205, 0.2367,  
0.3528

261.0830, 0.2789,  
0.3400

 13.6516, 0.2246,  
0.3563

313.2531, 0.2809,  
0.3394

 7.8788, 0.2079,  
0.3610

371.9475, 0.2826,

 4.0175, 0.1839,

0.3388

0.3673

437.5505, 0.2842,  
0.3383

■ 1.6833, 0.1435,  
0.3775

■ 0.4128, 0.0000,  
0.3933

■ 84.6432, 0.2638,  
0.3447

■ 84.6432, 0.2638,  
0.3447

■ 82.2165, 0.2547,  
0.3493

■ 87.6105, 0.2744,  
0.3403

■ 80.2867, 0.2474,  
0.3541

■ 91.1400, 0.2863,  
0.3362

■ 78.8190, 0.2420,  
0.3589

■ 95.2634, 0.2992,  
0.3324

■ 77.7697, 0.2386,  
0.3639

100.0000, 0.3127,  
0.3290

■ 77.0870, 0.2370,  
0.3687

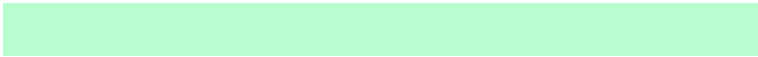
■ 76.6861, 0.2371,  
0.3736

■ 76.6856, 0.2371,  
0.3736

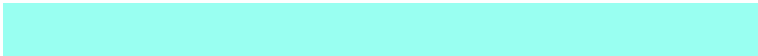
# Harmonies

## Analogous

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



84.6432, 0.2956, 0.3783



84.6432, 0.2638, 0.3447



84.6432, 0.2454, 0.3084

# Triad

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



84.6432, 0.2638, 0.3447



84.6432, 0.2889, 0.2704



84.6432, 0.3862, 0.3720

# Complementary

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



84.6432, 0.2638, 0.3447



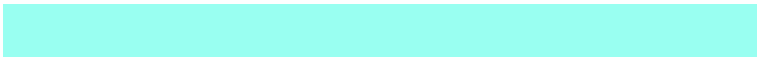
46.8466, 0.4003, 0.3145

# 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.



84.6432, 0.3850, 0.3425



84.6432, 0.2638, 0.3447



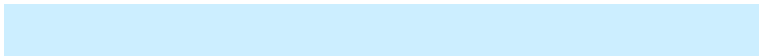
84.6432, 0.3269, 0.2862

# Square

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



84.6432, 0.2638, 0.3447



84.6432, 0.2592, 0.2681



84.6432, 0.3628, 0.3119

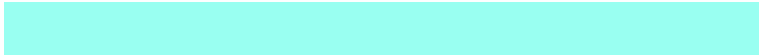


84.6432, 0.3668, 0.3925



# Rectangle

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



84.6432, 0.2638, 0.3447



84.6432, 0.2424, 0.2887



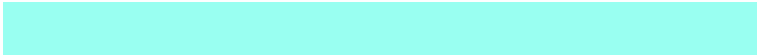
84.6432, 0.3628, 0.3119



84.6432, 0.3883, 0.3627

# Sweetspot

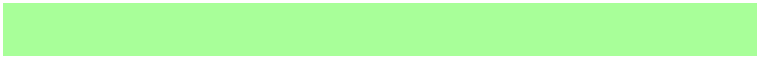
The Sweet Spot groups the original color and five complimentary colors.



84.6464, 0.2638, 0.3447



94.3835, 0.2965, 0.3332



82.1825, 0.3157, 0.4494



20.0827, 0.2948, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

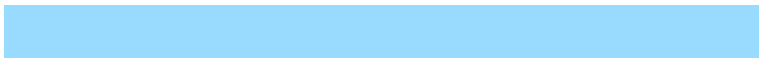
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6464, 0.2638, 0.3447



82.6579, 0.2564, 0.3484



64.8227, 0.2510, 0.2874



20.4360, 0.2998, 0.3323



40.0865, 0.2369, 0.3728



3.9144, 0.2353, 0.3672



# Inverse Universe

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



46.8466, 0.4003, 0.3145



40.1090, 0.4280, 0.3119



59.8380, 0.3990, 0.3666



18.0277, 0.3273, 0.3258



11.1846, 0.6223, 0.3202

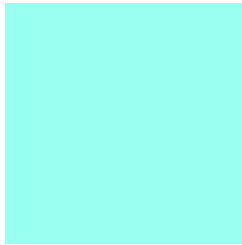


1.1008, 0.5965, 0.3060



# Previews

## White Background



This preview shows how the Yxy color 84.6432, 0.2638, 0.3447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

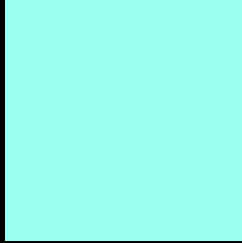
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.6432, 0.2638, 0.3447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

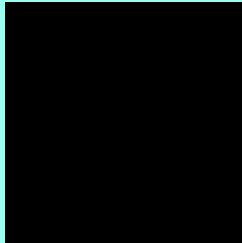
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.6432, 0.2638, 0.3447**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6432, 0.2638, 0.3447.

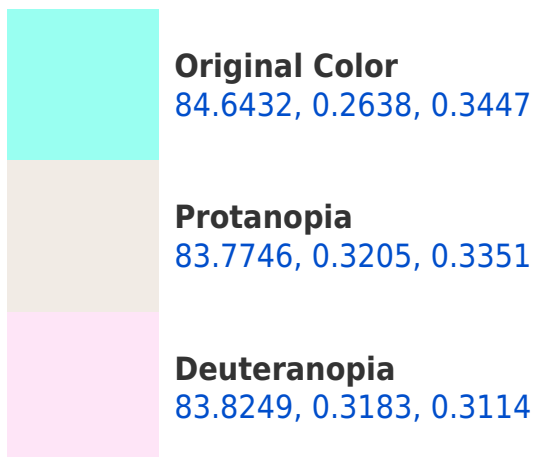


This preview shows how white text looks on a background with the Yxy color 84.6432, 0.2638, 0.3447.

# 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





## Tritanopia

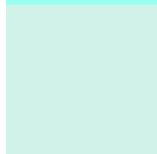
84.2007, 0.2797, 0.3173

# Trichromacy



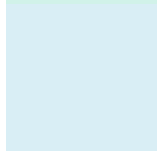
## Original Color

84.6432, 0.2638, 0.3447



## Protanomaly

82.9428, 0.2970, 0.3386



## Deuteranomaly

82.4934, 0.2950, 0.3216



## Tritanomaly

84.1042, 0.2733, 0.3267

# Monochromacy



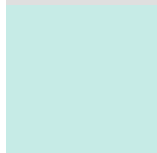
## Original Color

84.6432, 0.2638, 0.3447



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.1356, 0.2917, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.6432, 0.2638, 0.3447 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(153, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 241)  
}
```

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(153, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6432, 0.2638, 0.3447 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(153, 255, 241) }
```

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

```
.border{ border-color:rgb(153, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6432, 0.2638, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 241) }
```

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

```
.background{ background-color: rgb(153,  
255, 241) }
```

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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