

# Converting Colors

$Yxy(80.3645, 0.2526, 0.3381)$

Have a look what the booklet for  
Yxy(80.3645, 0.2526, 0.3381)  
contains.

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# Color

**Yxy(80.2907, 0.2528, 0.3381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83FBF3
RGB	131, 251, 243
RGB Percent	51%, 98%, 95%
CMY	0.4864, 0.0157, 0.0469
CMYK	0.48, 0.00, 0.03, 0.02
HSL	176°, 94%, 75%
HSV	176°, 48%, 98%
XYZ	60.0340, 80.2907, 97.1515
YIQ	214.2080, -68.9520, -27.9280

# Conversions

## Conversions Part 2

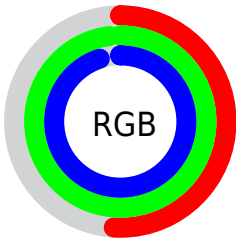
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 193, 251
Decimal	8649715
CIE <sub>Lab</sub>	91.82, -35.72, -6.65
CIE <sub>LCh</sub>	92, 36.336, 190.552
Yxy	80.2907, 0.2528, 0.3381
Android (android.graphics.Color)	4286839795 (0xFF83FBF3)
YUV	214.2080, 14.1945, -72.9734
Hunter-Lab	89.6051, -37.2167, -1.5598

# Details

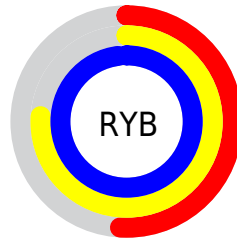
The Yxy color **80.2907, 0.2528, 0.3381** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.5960, 0.4371, 0.3210**, and the grayscale version is **67.3270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **43.4004, 0.2398, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **78.4269, 0.2446, 0.3403**, and if you desaturate by 10%, it is **82.6470, 0.2628, 0.3360**.

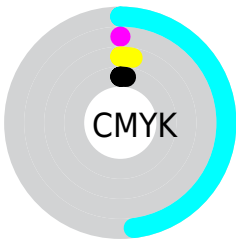
# Distribution



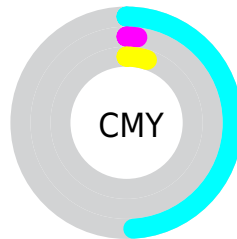
- Red (51%)
- Green (98%)
- Blue (95%)



- Red (51%)
- Yellow (76%)
- Blue (98%)



- Cyan (48%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)




- Cyan (49%)
- Magenta (2%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2907, 0.2528, 0.3381 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 80.2907, 0.2528, 0.3381 by changing the saturation by 10% instead.



 80.2907, 0.2528,  
0.3381

 80.2907, 0.2528,  
0.3381


495.9120, 0.2796,  
0.3345


 59.9576, 0.2469,  
0.3388


 133.7744, 0.2619,  
0.3370

 43.3845, 0.2397,  
0.3396


 167.6937, 0.2655,  
0.3365

 30.1869, 0.2308,  
0.3405


 206.9106, 0.2686,  
0.3360

 19.9805, 0.2195,  
0.3415

251.8094, 0.2714,  
0.3357

 12.3809, 0.2047,  
0.3425

302.7746, 0.2738,  
0.3353

 7.0036, 0.1844,  
0.3435


360.1905, 0.2759,


 3.4644, 0.1555,


0.3350


0.3437


424.4415, 0.2779,  
0.3347

 1.3787, 0.0936,  
0.3476


 0.2009, 0.0000,  
0.2271


 80.2907, 0.2528,  
0.3381

 80.2907, 0.2528,  
0.3381


 78.4269, 0.2446,  
0.3403


 82.6470, 0.2628,  
0.3360


 77.0105, 0.2382,  
0.3426


 85.5186, 0.2745,  
0.3339

 76.0042, 0.2339,  
0.3448


 88.9378, 0.2874,  
0.3320


 75.3601, 0.2314,  
0.3471


 92.9319, 0.3013,  
0.3303


 75.0141, 0.2306,  
0.3493

 97.2467, 0.3150,  
0.3287

 74.9579, 0.2305,  
0.3498

 97.3525, 0.3140,  
0.3271

 97.4593, 0.3131,  
0.3255

 97.4783, 0.3129,  
0.3252

# Harmonies

## Analogous

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



80.2907, 0.2856, 0.3781



80.2907, 0.2528, 0.3381



80.2907, 0.2361, 0.2985

# Triad

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



80.2907, 0.2528, 0.3381



80.2907, 0.2939, 0.2665



80.2907, 0.3922, 0.3820

# Complementary

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



80.2907, 0.2528, 0.3381



38.5960, 0.4371, 0.3210

# 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.



80.2907, 0.3959, 0.3503



80.2907, 0.2528, 0.3381



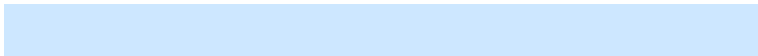
80.2907, 0.3369, 0.2864

# Square

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



80.2907, 0.2528, 0.3381



80.2907, 0.2585, 0.2606



80.2907, 0.3753, 0.3162



80.2907, 0.3664, 0.4025



# Rectangle

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



80.2907, 0.2528, 0.3381



80.2907, 0.2354, 0.2786



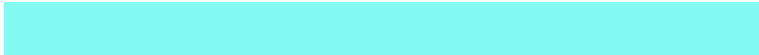
80.2907, 0.3753, 0.3162



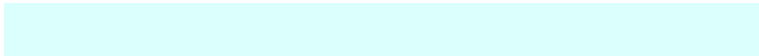
80.2907, 0.3962, 0.3722

# Sweetspot

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



80.2938, 0.2528, 0.3381



93.6948, 0.2926, 0.3313



76.1223, 0.3098, 0.4790



19.8696, 0.2896, 0.3317



0.0000, 0.0000, 0.0000

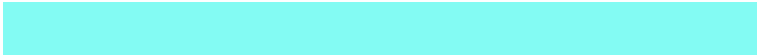


21.4041, 0.3127, 0.3290



# Same Dimension

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



80.2938, 0.2528, 0.3381



81.4262, 0.2451, 0.3401



52.6295, 0.2374, 0.2648



19.5875, 0.2989, 0.3306



39.4074, 0.2304, 0.3494



3.6556, 0.2297, 0.3467



# Inverse Universe

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



38.5960, 0.4371, 0.3210



33.6757, 0.4764, 0.3201



56.0081, 0.4168, 0.3839



17.2439, 0.3284, 0.3275



10.8084, 0.6332, 0.3262

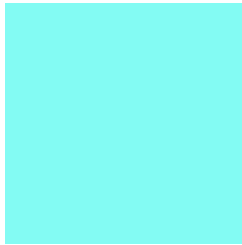


1.0074, 0.6172, 0.3173



# Previews

## White Background



This preview shows how the Yxy color 80.2907, 0.2528, 0.3381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

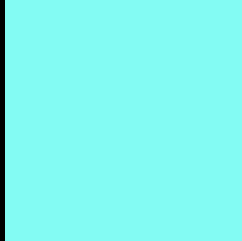
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.2907, 0.2528, 0.3381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

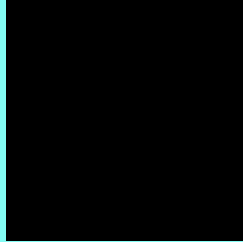
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.2907, 0.2528, 0.3381**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.2907, 0.2528, 0.3381.

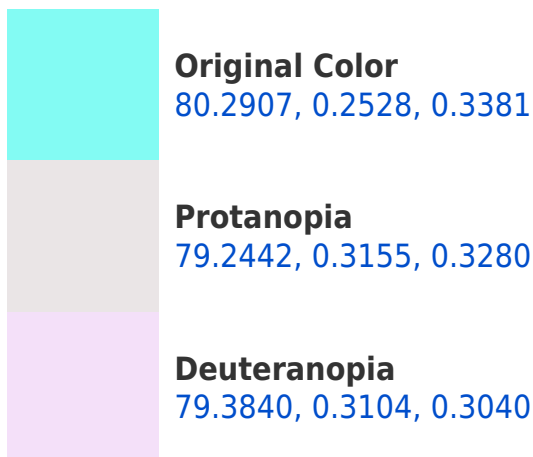


This preview shows how white text looks on a background with the Yxy color 80.2907, 0.2528, 0.3381.

# 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

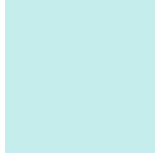
79.4777, 0.2668, 0.3135

# Trichromacy



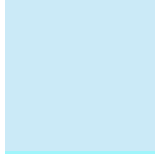
## Original Color

80.2907, 0.2528, 0.3381



## Protanomaly

78.4368, 0.2884, 0.3311



## Deuteranomaly

78.2575, 0.2851, 0.3150



## Tritanomaly

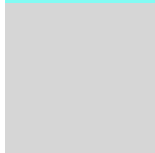
79.7434, 0.2608, 0.3221

# Monochromacy



## Original Color

80.2907, 0.2528, 0.3381



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

70.5648, 0.2855, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.2907, 0.2528, 0.3381 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(131, 251, 243)` looks like.

```
.text, #text, p{  
    color:rgb(131, 251, 243)  
}
```

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(131, 251, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 251, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 80.2907, 0.2528, 0.3381 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(131, 251, 243) }
```

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

```
.border{ border-color:rgb(131, 251, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 251, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 251, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 251, 243);  
box-shadow:4px 4px 4px 4px rgb(131, 251,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.2907, 0.2528, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 251, 243) }
```

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

```
.background{ background-color: rgb(131,  
251, 243) }
```

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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