

# Converting Colors

$Yxy(80.7051, 0.2467, 0.3263)$

Have a look what the booklet for  
Yxy(80.7051, 0.2467, 0.3263)  
contains.

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# Color

**Yxy(80.5218, 0.2467, 0.3265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EFBFD
RGB	126, 251, 253
RGB Percent	49%, 98%, 99%
CMY	0.5055, 0.0157, 0.0079
CMYK	0.50, 0.01, 0.00, 0.01
HSL	181°, 97%, 74%
HSV	181°, 50%, 99%
XYZ	60.8414, 80.5218, 105.2579
YIQ	213.8530, -75.1420, -25.8780

# Conversions

## Conversions Part 2

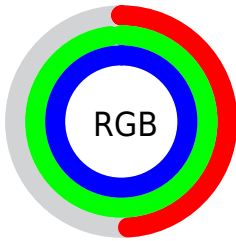
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">126, 189, 253</a>
Decimal	<a href="#">8322045</a>
CIELab	<a href="#">91.92, -34.25, -11.69</a>
CIELCh	<a href="#">92, 36.192, 198.843</a>
Yxy	<a href="#">80.5218, 0.2467, 0.3265</a>
Android (android.graphics.Color)	<a href="#">4286512125</a> ( <a href="#">0xFF7EFBFD</a> )
YUV	<a href="#">213.8530, 19.2995, -77.0471</a>
Hunter-Lab	<a href="#">89.7339, -36.0078, -6.7334</a>

# Details

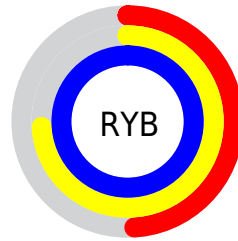
The Yxy color **80.5218, 0.2467, 0.3265** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.8584, 0.4554, 0.3315**, and the grayscale version is **67.0659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **43.4989, 0.2326, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **78.5875, 0.2383, 0.3260**, and if you desaturate by 10%, it is **82.9492, 0.2570, 0.3270**.

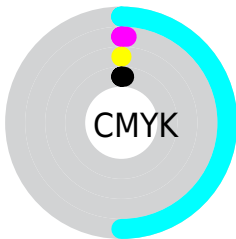
# Distribution



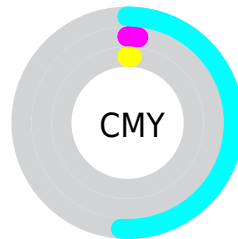
- Red (49%)
- Green (98%)
- Blue (99%)



- Red (49%)
- Yellow (74%)
- Blue (99%)



- Cyan (50%)
- Magenta (1%)
- Yellow (0%)
- Black (1%)




- Cyan (51%)
- Magenta (2%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5218, 0.2467, 0.3265 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 80.5218, 0.2467, 0.3265 by changing the saturation by 10% instead.





 80.5218, 0.2467,  
0.3265

 80.5218, 0.2467,  
0.3265


496.6896, 0.2760,  
0.3284

 60.1478, 0.2403,  
0.3259


 134.0991, 0.2566,  
0.3273

 43.5378, 0.2326,  
0.3251


 168.0712, 0.2606,  
0.3276

 30.3073, 0.2230,  
0.3240


 207.3449, 0.2640,  
0.3278

 20.0720, 0.2109,  
0.3223

252.3044, 0.2670,  
0.3279

 12.4474, 0.1952,  
0.3197

303.3343, 0.2696,  
0.3281

 7.0491, 0.1740,  
0.3153


360.8188, 0.2720,


 3.4928, 0.1443,


0.3282


0.3074


425.1425, 0.2741,  
0.3283


 1.3941, 0.0884,  
0.2950


 0.2124, 0.0000,  
0.1681

 80.5218, 0.2467,  
0.3265


 80.5218, 0.2467,  
0.3265


 78.5875, 0.2383,  
0.3260


 82.9492, 0.2570,  
0.3270


 77.0997, 0.2318,  
0.3254


 85.8938, 0.2690,  
0.3276


 76.0185, 0.2273,  
0.3249


 89.3893, 0.2824,  
0.3281

 75.2930, 0.2246,  
0.3244


 93.4638, 0.2970,  
0.3285


 74.8442, 0.2233,  
0.3239

 98.1436, 0.3125,  
0.3290

 98.8469, 0.3139,  
0.3294

 99.0997, 0.3139,  
0.3298

 99.3531, 0.3139,  
0.3301

 99.6070, 0.3139,  
0.3305

# Harmonies

## Analogous

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



80.5218, 0.2754, 0.3677



80.5218, 0.2467, 0.3265



80.5218, 0.2351, 0.2896

# Triad

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



80.5218, 0.2467, 0.3265



80.5218, 0.3055, 0.2710



80.5218, 0.3867, 0.3890

# Complementary

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



80.5218, 0.2467, 0.3265



37.8584, 0.4554, 0.3315

# 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.



80.5218, 0.3970, 0.3596



80.5218, 0.2467, 0.3265



80.5218, 0.3484, 0.2940

# Square

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



80.5218, 0.2467, 0.3265



80.5218, 0.2672, 0.2610



80.5218, 0.3828, 0.3255



80.5218, 0.3562, 0.4045



# Rectangle

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



80.5218, 0.2467, 0.3265



80.5218, 0.2379, 0.2726



80.5218, 0.3828, 0.3255



80.5218, 0.3927, 0.3802

# Sweetspot

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



80.5249, 0.2467, 0.3265



93.0689, 0.2898, 0.3283



76.2001, 0.3052, 0.4894



19.7358, 0.2868, 0.3282



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.



80.5249, 0.2467, 0.3265



80.0340, 0.2384, 0.3260



48.1687, 0.2318, 0.2500



20.4293, 0.2980, 0.3286



39.8383, 0.2233, 0.3239



3.8941, 0.2235, 0.3245



# Inverse Universe

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



42.7960, 0.3201, 0.2095



37.8282, 0.3215, 0.1910



59.0240, 0.4187, 0.3948



18.2952, 0.3141, 0.3060



14.7497, 0.3249, 0.1563

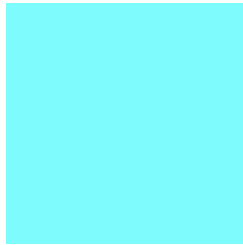


1.4377, 0.3244, 0.1561



# Previews

## White Background



This preview shows how the Yxy color 80.5218, 0.2467, 0.3265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

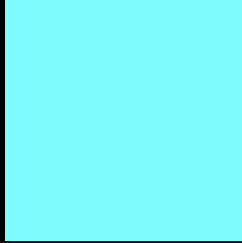
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.5218, 0.2467, 0.3265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

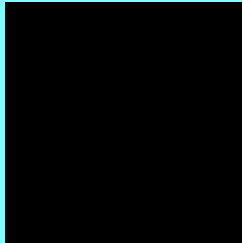
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.5218, 0.2467, 0.3265**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.5218, 0.2467, 0.3265.

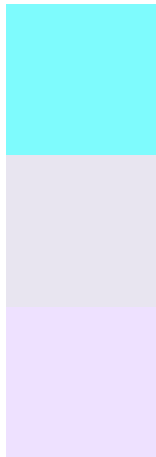


This preview shows how white text looks on a background with the Yxy color 80.5218, 0.2467, 0.3265.

# 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

80.5218, 0.2467, 0.3265

### Protanopia

79.4857, 0.3078, 0.3176

### Deuteranopia

79.2476, 0.3026, 0.2989



## Tritanopia

80.0714, 0.2669, 0.3146

# Trichromacy



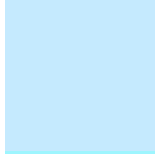
## Original Color

80.5218, 0.2467, 0.3265



## Protanomaly

78.4984, 0.2804, 0.3202



## Deuteranomaly

77.8717, 0.2777, 0.3074



## Tritanomaly

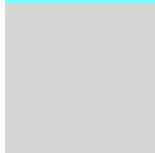
79.7297, 0.2584, 0.3188

# Monochromacy



## Original Color

80.5218, 0.2467, 0.3265



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

70.4847, 0.2826, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.5218, 0.2467, 0.3265 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(126, 251, 253)` looks like.

```
.text, #text, p{  
    color:rgb(126, 251, 253)  
}
```

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(126, 251, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 251, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 80.5218, 0.2467, 0.3265 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(126, 251, 253) }
```

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

```
.border{ border-color:rgb(126, 251, 253) }
```

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

Here you see how a box with a 4 pixel rgb(126, 251, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 251, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 251, 253);  
box-shadow:4px 4px 4px 4px rgb(126, 251,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.5218, 0.2467, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 251, 253) }
```

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

```
.background{ background-color: rgb(126,  
251, 253) }
```

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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