

# Converting Colors

$Yxy(80.3823, 0.2526, 0.3621)$

Have a look what the booklet for  
Yxy(80.3823, 0.2526, 0.3621)  
contains.

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# Color

**Yxy(80.3810, 0.2529, 0.3626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EFFE3
RGB	110, 255, 227
RGB Percent	43%, 100%, 89%
CMY	0.5683, 0.0000, 0.1098
CMYK	0.57, 0.00, 0.11, 0.00
HSL	168°, 100%, 72%
HSV	168°, 57%, 100%
XYZ	56.0628, 80.3810, 85.2358
YIQ	208.4530, -77.4320, -39.4480

# Conversions

## Conversions Part 2

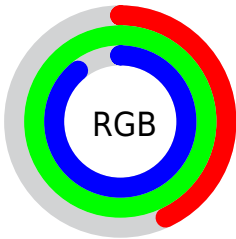
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 190, 255
Decimal	7274467
CIELab	91.86, -45.57, 1.63
CIElCh	92, 45.601, 177.948
Yxy	80.3810, 0.2529, 0.3626
Android (android.graphics.Color)	4285464547 (0xFF6EFFE3)
YUV	208.4530, 9.1437, -86.3433
Hunter-Lab	89.6555, -45.2786, 6.3916

# Details

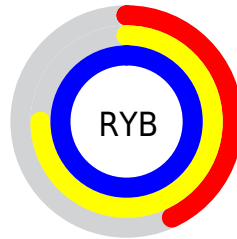
The Yxy color **80.3810, 0.2529, 0.3626** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.2654, 0.4524, 0.3015**, and the grayscale version is **63.3778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **43.6738, 0.2395, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **78.7076, 0.2473, 0.3696**, and if you desaturate by 10%, it is **82.5390, 0.2604, 0.3558**.

# Distribution



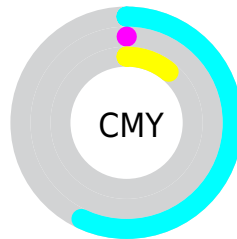
- Red (43%)
- Green (100%)
- Blue (89%)



- Red (43%)
- Yellow (75%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3810, 0.2529, 0.3626 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 80.3810, 0.2529, 0.3626 by changing the saturation by 10% instead.




 80.3810, 0.2529,  
0.3626

 80.3810, 0.2529,  
0.3626


496.2159, 0.2800,  
0.3473


 60.0319, 0.2469,  
0.3660


 133.9013, 0.2622,  
0.3573

 43.4444, 0.2395,  
0.3702


 167.8412, 0.2658,  
0.3553

 30.2339, 0.2304,  
0.3755


 207.0803, 0.2689,  
0.3535

 20.0162, 0.2186,  
0.3823

252.0029, 0.2717,  
0.3519

 12.4068, 0.2031,  
0.3914

302.9933, 0.2741,  
0.3506

 7.0214, 0.1816,  
0.4041


360.4361, 0.2763,


 3.4755, 0.1505,


0.3494


0.4228


424.7154, 0.2782,  
0.3483


 1.3847, 0.0469,  
0.4810


 0.2054, 0.0000,  
0.6523


 80.3810, 0.2529,  
0.3626


 80.3810, 0.2529,  
0.3626


 78.7076, 0.2473,  
0.3696


 82.5390, 0.2604,  
0.3558

 77.4678, 0.2437,  
0.3767


 85.2090, 0.2695,  
0.3493


 76.6157, 0.2421,  
0.3838

 88.4271, 0.2800,  
0.3432

 76.0897, 0.2422,  
0.3909

 92.2237, 0.2916,  
0.3375

 75.9614, 0.2425,  
0.3931

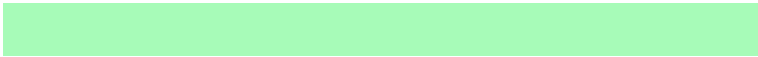
 96.6268, 0.3040,  
0.3323

99.9977, 0.3127,  
0.3290

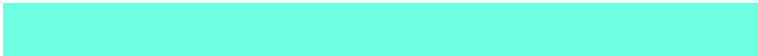
# Harmonies

## Analogous

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



80.3810, 0.2991, 0.4083



80.3810, 0.2529, 0.3626



80.3810, 0.2240, 0.3093

# Triad

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



80.3810, 0.2529, 0.3626



80.3810, 0.2687, 0.2470



80.3810, 0.4180, 0.3776

# Complementary

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



80.3810, 0.2529, 0.3626



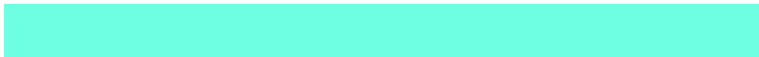
34.2654, 0.4524, 0.3015

# 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.



80.3810, 0.4100, 0.3362



80.3810, 0.2529, 0.3626



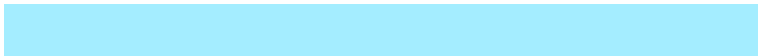
80.3810, 0.3196, 0.2646

# Square

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



80.3810, 0.2529, 0.3626



80.3810, 0.2327, 0.2474



80.3810, 0.3727, 0.2962

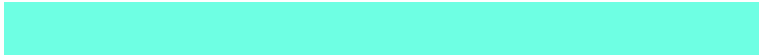


80.3810, 0.3954, 0.4117



# Rectangle

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



80.3810, 0.2529, 0.3626



80.3810, 0.2169, 0.2798



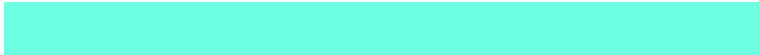
80.3810, 0.3727, 0.2962



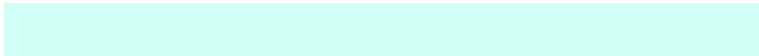
80.3810, 0.4189, 0.3641

# Sweetspot

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



80.3841, 0.2529, 0.3626



92.1575, 0.2914, 0.3376



78.1396, 0.3184, 0.5053



19.5524, 0.2890, 0.3387



0.0000, 0.0000, 0.0000

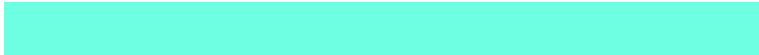


21.4041, 0.3127, 0.3290



# Same Dimension

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



80.3841, 0.2529, 0.3626



78.5435, 0.2468, 0.3704



57.3879, 0.2298, 0.2753



20.4178, 0.3006, 0.3336



39.7142, 0.2422, 0.3919



3.8815, 0.2400, 0.3839



# Inverse Universe

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



34.2654, 0.4524, 0.3015



28.4744, 0.4979, 0.2996



45.3513, 0.4571, 0.3733



18.0444, 0.3264, 0.3244



11.2420, 0.6098, 0.3133

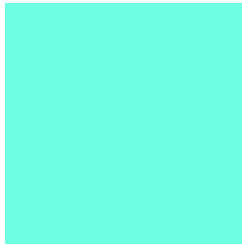


1.1089, 0.5803, 0.2970



# Previews

## White Background



This preview shows how the Yxy color 80.3810, 0.2529, 0.3626 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

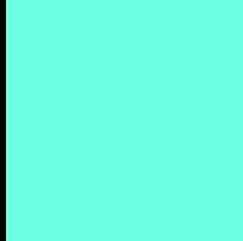
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.3810, 0.2529, 0.3626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

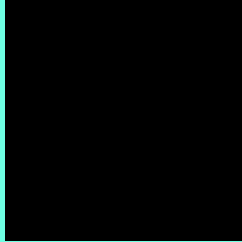
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

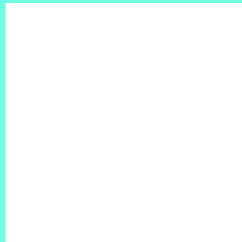
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.3810, 0.2529, 0.3626**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.3810, 0.2529, 0.3626.

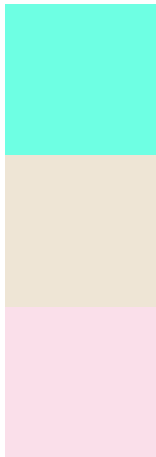


This preview shows how white text looks on a background with the Yxy color 80.3810, 0.2529, 0.3626.

# 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

80.3810, 0.2529, 0.3626

### Protanopia

79.0199, 0.3294, 0.3458

### Deuteranopia

79.0399, 0.3245, 0.3180



## Tritanopia

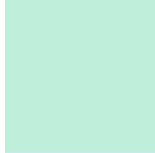
79.7229, 0.2654, 0.3146

# Trichromacy



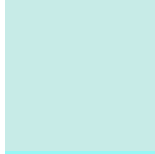
## Original Color

80.3810, 0.2529, 0.3626



## Protanomaly

77.2874, 0.2944, 0.3516



## Deuteranomaly

77.3283, 0.2918, 0.3333



## Tritanomaly

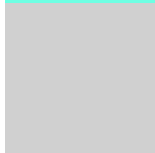
79.6934, 0.2597, 0.3311

# Monochromacy



## Original Color

80.3810, 0.2529, 0.3626



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.5274, 0.2837, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.3810, 0.2529, 0.3626 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(110, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 227)  
}
```

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(110, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 80.3810, 0.2529, 0.3626 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(110, 255, 227) }
```

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

```
.border{ border-color:rgb(110, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 255, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 255, 227); box-shadow:4px 4px 4px 4px rgb(110, 255, 227) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.3810, 0.2529, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 227) }
```

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

```
.background{ background-color: rgb(110,  
255, 227) }
```

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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