

Converting Colors

$Yxy(76.9308, 0.2635, 0.4113)$

Have a look what the booklet for
Yxy(76.9308, 0.2635, 0.4113)
contains.

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Color

Yxy(76.9810, 0.2635, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	5EFEFE
RGB	94, 254, 190
RGB Percent	37%, 100%, 75%
CMY	0.6312, 0.0039, 0.2549
CMYK	0.63, 0.00, 0.25, 0.00
HSL	156°, 99%, 68%
HSV	156°, 63%, 100%
XYZ	49.3540, 76.9810, 60.9667
YIQ	198.8640, -74.8160, -53.8240

Conversions

Conversions Part 2

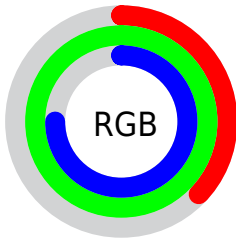
Format	Color
RYB	94, 194, 254
Decimal	6225598
CIELab	90.31, -56.36, 18.45
CIELCh	90, 59.308, 161.871
Yxy	76.9810, 0.2635, 0.4110
Android (android.graphics.Color)	4284415678 (0xFF5EFEBE)
YUV	198.8640, -4.3700, -91.9657
Hunter-Lab	87.7388, -53.1348, 20.2186

Details

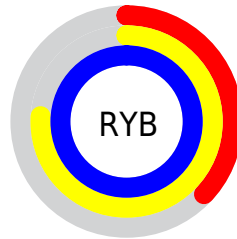
The Yxy color **76.9810, 0.2635, 0.4110** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **31.5542, 0.4313, 0.2665**, and the grayscale version is **57.0948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4429, 0.2637, 0.3389**, and **41.2574, 0.2534, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **75.4253, 0.2608, 0.4268**, and if you desaturate by 10%, it is **79.0155, 0.2681, 0.3956**.

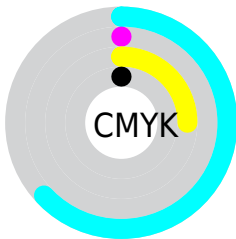
Distribution



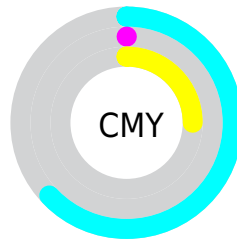
- Red (37%)
- Green (100%)
- Blue (75%)



- Red (37%)
- Yellow (76%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9810, 0.2635, 0.4110 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 76.9810, 0.2635, 0.4110 by changing the saturation by 10% instead.


 76.9810, 0.2635,
0.4110


 76.9810, 0.2635,
0.4110

484.6992, 0.2870,
0.3713


 57.2373, 0.2580,
0.4205


 129.1127, 0.2718,
0.3969


 41.1958, 0.2511,
0.4324


 162.2694, 0.2750,
0.3915

 28.4721, 0.2422,
0.4479


 200.6659, 0.2777,
0.3869

 18.6818, 0.2305,
0.4686

 244.6866, 0.2800,
0.3829

 11.4406, 0.2142,
0.4978

294.7159, 0.2821,
0.3795

 6.3640, 0.1903,
0.5416


351.1382, 0.2839,


 3.0677, 0.1523,


0.3764


0.6134


414.3378, 0.2855,
0.3737


 1.1672, 0.0000,
1.0000


 0.0346, 0.0000,
1.0000


 76.9810, 0.2635,
0.4110


 76.9810, 0.2635,
0.4110


 75.4253, 0.2608,
0.4268


 79.0155, 0.2681,
0.3956

 74.2932, 0.2602,
0.4426

 81.5593, 0.2744,
0.3808

 73.5325, 0.2616,
0.4581

 84.6509, 0.2820,
0.3670

 73.1637, 0.2635,
0.4686

 88.3223, 0.2907,
0.3542

■ 92.6033, 0.3000,
0.3425

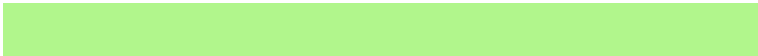
■ 97.5213, 0.3098,
0.3319

■ 99.3649, 0.3128,
0.3281

Harmonies

Analogous

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



76.9810, 0.3293, 0.4543



76.9810, 0.2635, 0.4110



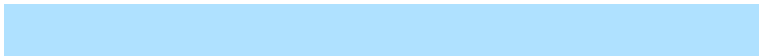
76.9810, 0.2143, 0.3385

Triad

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



76.9810, 0.2635, 0.4110



76.9810, 0.2278, 0.2216



76.9810, 0.4510, 0.3601

Complementary

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



76.9810, 0.2635, 0.4110



31.5542, 0.4313, 0.2665

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.



76.9810, 0.4189, 0.3082



76.9810, 0.2635, 0.4110



76.9810, 0.2835, 0.2326

Square

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



76.9810, 0.2635, 0.4110



76.9810, 0.1966, 0.2340



76.9810, 0.3544, 0.2633



76.9810, 0.4400, 0.4113

Rectangle

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



76.9810, 0.2635, 0.4110



76.9810, 0.1961, 0.2926



76.9810, 0.3544, 0.2633



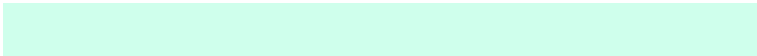
76.9810, 0.4450, 0.3424

Sweetspot

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



76.9841, 0.2635, 0.4110



90.7543, 0.2943, 0.3494



79.2388, 0.3372, 0.5129



19.1701, 0.2917, 0.3528



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.



76.9841, 0.2635, 0.4110



75.7107, 0.2604, 0.4316



72.2542, 0.2332, 0.3128



20.3512, 0.3034, 0.3387



38.6021, 0.2628, 0.4662



3.7802, 0.2580, 0.4488

Inverse Universe

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



31.5542, 0.4313, 0.2665



26.4757, 0.4710, 0.2622



32.4730, 0.5073, 0.3418



18.1075, 0.3231, 0.3195



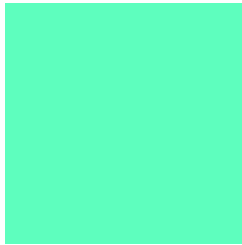
11.6380, 0.5383, 0.2739



1.1540, 0.5082, 0.2573

Previews

White Background



This preview shows how the Yxy color 76.9810, 0.2635, 0.4110 looks on a white background.

Color Contrast Check

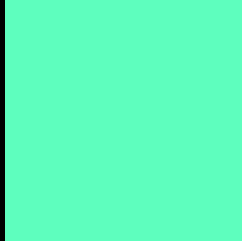
Large Text (above 18pt) WCAG AA × Fail

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 76.9810, 0.2635, 0.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

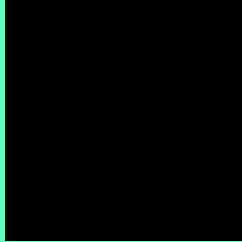
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9810, 0.2635, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 76.9810, 0.2635, 0.4110.

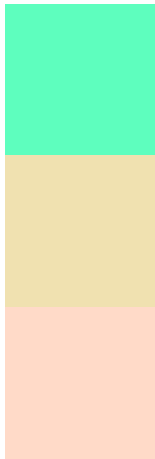


This preview shows how white text looks on a background with the Yxy color 76.9810, 0.2635, 0.4110.

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

76.9810, 0.2635, 0.4110

Protanopia

75.5103, 0.3568, 0.3811

Deuteranopia

75.5729, 0.3528, 0.3475



Tritanopia

76.5087, 0.2557, 0.3119

Trichromacy



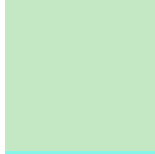
Original Color

76.9810, 0.2635, 0.4110



Protanomaly

73.8919, 0.3136, 0.3939



Deuteranomaly

72.8731, 0.3108, 0.3695



Tritanomaly

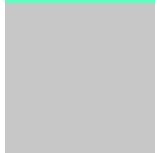
76.0609, 0.2578, 0.3456

Monochromacy



Original Color

76.9810, 0.2635, 0.4110



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.2256, 0.2876, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9810, 0.2635, 0.4110 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(94, 254, 190)` looks like.

```
.text, #text, p{  
    color:rgb(94, 254, 190)  
}
```

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(94, 254, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 254, 190) }
```

Border

The CSS property to change the border of an element to Yxy 76.9810, 0.2635, 0.4110 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(94, 254, 190) }
```

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

```
.border{ border-color:rgb(94, 254, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 254, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 254, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 254, 190);  
box-shadow:4px 4px 4px 4px rgb(94, 254,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9810, 0.2635, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 254, 190) }
```

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

```
.background{ background-color: rgb(94, 254,  
190) }
```

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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