

Converting Colors

$Yxy(87.1294, 0.2699, 0.3999)$

Have a look what the booklet for
Yxy(87.1294, 0.2699, 0.3999)
contains.

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Color

Yxy(80.4119, 0.2683, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	7EFFCE
RGB	126, 255, 206
RGB Percent	49%, 100%, 81%
CMY	0.5054, 0.0000, 0.1921
CMYK	0.51, 0.00, 0.19, 0.00
HSL	157°, 100%, 75%
HSV	157°, 51%, 100%
XYZ	55.5186, 80.4119, 70.9967
YIQ	210.8430, -61.1550, -42.5870

Conversions

Conversions Part 2

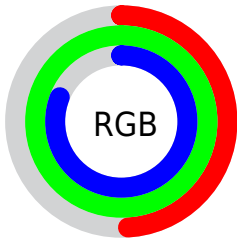
Format	Color
RYB	126, 206, 255
Decimal	8323022
CIELab	91.87, -46.99, 12.55
CIELCh	92, 48.640, 165.045
Yxy	80.4119, 0.2683, 0.3886
Android (android.graphics.Color)	4286513102 (0xFF7EFFCE)
YUV	210.8430, -2.3876, -74.4073
Hunter-Lab	89.6727, -46.4135, 15.8291

Details

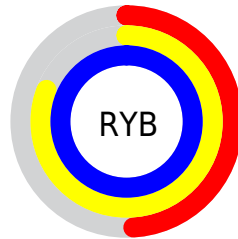
The Yxy color **80.4119, 0.2683, 0.3886** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **39.3083, 0.4005, 0.2788**, and the grayscale version is **65.0995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **43.7119, 0.2577, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **78.2587, 0.2631, 0.4030**, and if you desaturate by 10%, it is **83.0947, 0.2751, 0.3748**.

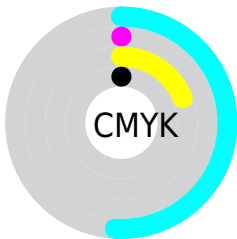
Distribution



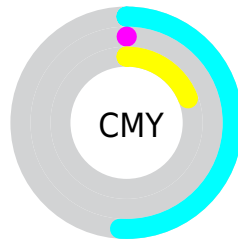
- Red (49%)
- Green (100%)
- Blue (81%)



- Red (49%)
- Yellow (81%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4119, 0.2683, 0.3886 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 80.4119, 0.2683, 0.3886 by changing the saturation by 10% instead.


 80.4119, 0.2683,
0.3886


 80.4119, 0.2683,
0.3886

496.3199, 0.2890,
0.3604


 60.0574, 0.2636,
0.3952


 133.9447, 0.2755,
0.3787

 43.4649, 0.2577,
0.4034


 167.8917, 0.2783,
0.3749

 30.2500, 0.2503,
0.4140


 207.1384, 0.2807,
0.3716

 20.0284, 0.2405,
0.4279

252.0691, 0.2828,
0.3687

 12.4157, 0.2273,
0.4473

303.0682, 0.2846,
0.3663

 7.0275, 0.2083,
0.4759

360.5201, 0.2862,

 3.4793, 0.1790,

0.3641

424.8092, 0.2877,
0.3621

0.5216

1.3868, 0.0498,
0.6792

0.2069, 0.0000,
1.0000

80.4119, 0.2683,
0.3886

80.4119, 0.2683,
0.3886

78.2587, 0.2631,
0.4030

83.0947, 0.2751,
0.3748

76.5866, 0.2597,
0.4179

86.3321, 0.2833,
0.3620

75.3543, 0.2584,
0.4329

90.1591, 0.2923,
0.3501

74.5088, 0.2592,
0.4477

94.6049, 0.3021,
0.3392

 73.9854, 0.2615,
0.4613

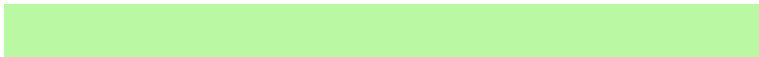
99.6968, 0.3122,
0.3295

99.9936, 0.3127,
0.3290

Harmonies

Analogous

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



80.4119, 0.3219, 0.4265



80.4119, 0.2683, 0.3886



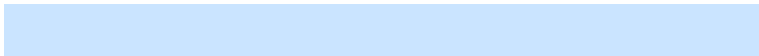
80.4119, 0.2289, 0.3315

Triad

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



80.4119, 0.2683, 0.3886



80.4119, 0.2470, 0.2398



80.4119, 0.4255, 0.3615

Complementary

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



80.4119, 0.2683, 0.3886



39.3083, 0.4005, 0.2788

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.



80.4119, 0.4027, 0.3174



80.4119, 0.2683, 0.3886



80.4119, 0.2952, 0.2507

Square

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



80.4119, 0.2683, 0.3886



80.4119, 0.2180, 0.2490



80.4119, 0.3531, 0.2783



80.4119, 0.4145, 0.4026

Rectangle

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



80.4119, 0.2683, 0.3886



80.4119, 0.2148, 0.2956



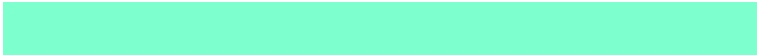
80.4119, 0.3531, 0.2783



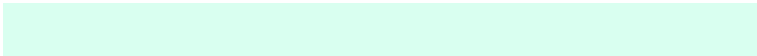
80.4119, 0.4216, 0.3467

Sweetspot

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



80.4151, 0.2683, 0.3886



92.5524, 0.2977, 0.3439



82.1970, 0.3330, 0.4775



19.6109, 0.2956, 0.3462



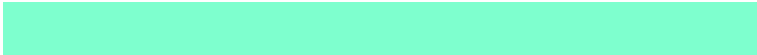
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.4151, 0.2683, 0.3886



78.1786, 0.2629, 0.4037



73.9574, 0.2433, 0.3113



20.3576, 0.3031, 0.3382



38.6924, 0.2608, 0.4589



3.7886, 0.2562, 0.4424

Inverse Universe

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



39.3083, 0.4005, 0.2788



32.7572, 0.4298, 0.2709



41.8620, 0.4494, 0.3448



18.1013, 0.3234, 0.3200



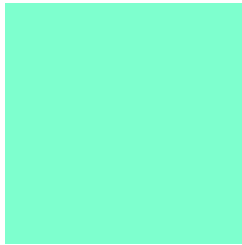
11.5856, 0.5465, 0.2784



1.1485, 0.5157, 0.2615

Previews

White Background



This preview shows how the Yxy color 80.4119, 0.2683, 0.3886 looks on a white background.

Color Contrast Check

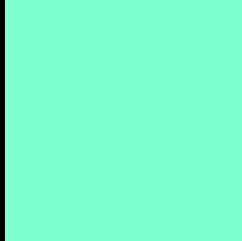
Large Text (above 18pt) WCAG AA × Fail

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 80.4119, 0.2683, 0.3886 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 80.4119, 0.2683, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 80.4119, 0.2683, 0.3886.



This preview shows how white text looks on a background with the Yxy color 80.4119, 0.2683, 0.3886.

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

80.4119, 0.2683, 0.3886

Protanopia

79.4986, 0.3463, 0.3677

Deuteranopia

78.9416, 0.3412, 0.3371



Tritanopia

79.7143, 0.2679, 0.3136

Trichromacy



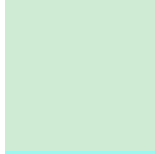
Original Color

80.4119, 0.2683, 0.3886



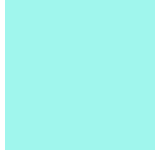
Protanomaly

78.0896, 0.3118, 0.3753



Deuteranomaly

77.5800, 0.3089, 0.3544



Tritanomaly

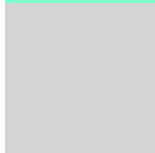
79.4995, 0.2677, 0.3392

Monochromacy



Original Color

80.4119, 0.2683, 0.3886



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.2449, 0.2924, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4119, 0.2683, 0.3886 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, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 206)  
}
```

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, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 80.4119, 0.2683, 0.3886 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, 255, 206) }
```

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

```
.border{ border-color:rgb(126, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4119, 0.2683, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 206) }
```

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

```
.background{ background-color: rgb(126,  
255, 206) }
```

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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