

Converting Colors

$Yxy(80.9119, 0.2758, 0.3841)$

Have a look what the booklet for
Yxy(80.9119, 0.2758, 0.3841)
contains.

| | |
|------------------------------------------------|----|
| Yxy(80.7753, 0.2760, 0.3839) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(80.7753, 0.2760, 0.3839)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 91FDCF |
| RGB | 145, 253, 207 |
| RGB Percent | 57%, 99%, 81% |
| CMY | 0.4311, 0.0079, 0.1882 |
| CMYK | 0.43, 0.00, 0.18, 0.01 |
| HSL | 154°, 96%, 78% |
| HSV | 154°, 43%, 99% |
| XYZ | 58.0724, 80.7753, 71.5595 |
| YIQ | 215.4640, -49.6020, -37.2020 |

Conversions

Conversions Part 2

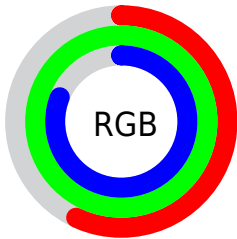
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 145, 214, 253 |
| Decimal | 9567695 |
| CIELab | 92.03, -41.38, 12.37 |
| CIELCh | 92, 43.190, 163.350 |
| Yxy | 80.7753, 0.2760, 0.3839 |
| Android (android.graphics.Color) | 4287757775 (0xFF91FDCF) |
| YUV | 215.4640, -4.1728, -61.7969 |
| Hunter-Lab | 89.8751, -41.9444, 15.7052 |

Details

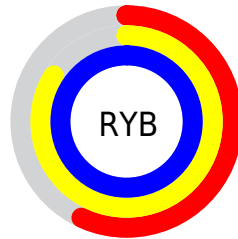
The Yxy color **80.7753, 0.2760, 0.3839** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.9164, 0.3758, 0.2811**, and the grayscale version is **68.3513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **43.8060, 0.2668, 0.3973** is the 20% darker color. If you saturate the color by 10%, you get **78.2197, 0.2699, 0.3997**, and if you desaturate by 10%, it is **83.8852, 0.2834, 0.3691**.

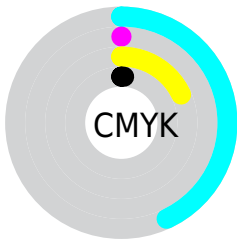
Distribution



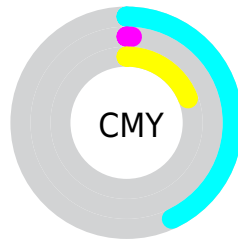
- Red (57%)
- Green (99%)
- Blue (81%)



- Red (57%)
- Yellow (84%)
- Blue (99%)



- Cyan (43%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)



- Cyan (43%)
- Magenta (1%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7753, 0.2760, 0.3839 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 80.7753, 0.2760, 0.3839 by changing the saturation by 10% instead.


 80.7753, 0.2760,
0.3839


 80.7753, 0.2760,
0.3839


497.5418, 0.2931,
0.3580

 60.3566, 0.2721,
0.3899


 134.4552, 0.2820,
0.3748

 43.7061, 0.2672,
0.3975


 168.4852, 0.2843,
0.3713

 30.4395, 0.2610,
0.4071


207.8210, 0.2863,
0.3683

 20.1724, 0.2529,
0.4199

252.8471, 0.2880,
0.3657

 12.5204, 0.2418,
0.4376

303.9478, 0.2895,
0.3634

 7.0992, 0.2257,
0.4636

361.5076, 0.2909,

 3.5242, 0.2007,

0.3614

425.9108, 0.2920,
0.3596

0.5054

1.4111, 0.1136,
0.6266

0.2249, 0.0000,
1.0000

80.7753, 0.2760,
0.3839

80.7753, 0.2760,
0.3839

78.2197, 0.2699,
0.3997

83.8852, 0.2834,
0.3691

76.1736, 0.2655,
0.4161

87.5715, 0.2918,
0.3554

74.6009, 0.2629,
0.4330

91.8668, 0.3008,
0.3430

73.4563, 0.2624,
0.4499

96.7984, 0.3102,
0.3318

■ 72.6851, 0.2640,
0.4663

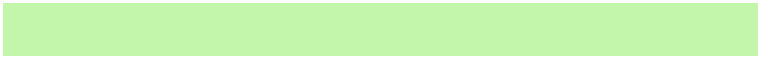
98.7282, 0.3128,
0.3271

■ 72.2979, 0.2661,
0.4780

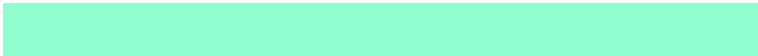
Harmonies

Analogous

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



80.7753, 0.3243, 0.4156



80.7753, 0.2760, 0.3839



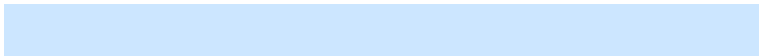
80.7753, 0.2394, 0.3346

Triad

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



80.7753, 0.2760, 0.3839



80.7753, 0.2521, 0.2489



80.7753, 0.4124, 0.3567

Complementary

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



80.7753, 0.2760, 0.3839



44.9164, 0.3758, 0.2811

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.



80.7753, 0.3904, 0.3170



80.7753, 0.2760, 0.3839



80.7753, 0.2947, 0.2576

Square

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



80.7753, 0.2760, 0.3839



80.7753, 0.2269, 0.2588



80.7753, 0.3459, 0.2819



80.7753, 0.4047, 0.3936

Rectangle

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



80.7753, 0.2760, 0.3839



80.7753, 0.2257, 0.3024



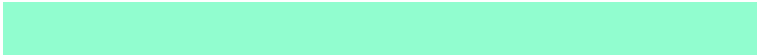
80.7753, 0.3459, 0.2819



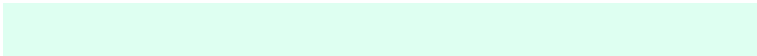
80.7753, 0.4083, 0.3434

Sweetspot

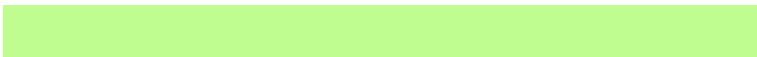
The Sweet Spot groups the original color and five complimentary colors.



80.7786, 0.2760, 0.3839



93.3692, 0.3005, 0.3434



83.4793, 0.3346, 0.4510



19.7675, 0.2984, 0.3460



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.



80.7786, 0.2760, 0.3839



80.0266, 0.2708, 0.3970



78.9075, 0.2532, 0.3206



20.3429, 0.3037, 0.3393



38.4910, 0.2654, 0.4755



3.7696, 0.2603, 0.4571

Inverse Universe

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



44.9164, 0.3758, 0.2811



39.2251, 0.3947, 0.2724



45.4688, 0.4216, 0.3369



18.1156, 0.3227, 0.3189



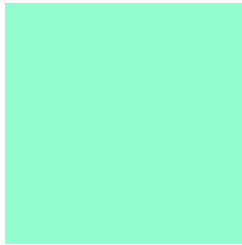
11.7105, 0.5276, 0.2680



1.1615, 0.4985, 0.2520

Previews

White Background



This preview shows how the Yxy color 80.7753, 0.2760, 0.3839 looks on a white background.

Color Contrast Check

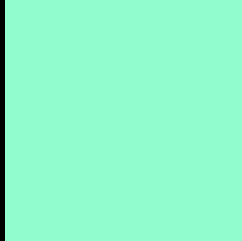
Large Text (above 18pt) WCAG AA × Fail

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 80.7753, 0.2760, 0.3839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

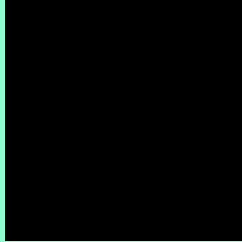
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7753, 0.2760, 0.3839

Background



This preview shows how black text looks on a background with the Yxy color 80.7753, 0.2760, 0.3839.



This preview shows how white text looks on a background with the Yxy color 80.7753, 0.2760, 0.3839.

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

80.7753, 0.2760, 0.3839

Protanopia

79.5884, 0.3450, 0.3655

Deuteranopia

79.5292, 0.3404, 0.3371



Tritanopia

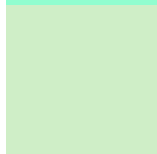
80.4449, 0.2711, 0.3137

Trichromacy



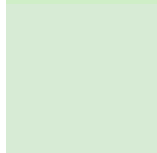
Original Color

80.7753, 0.2760, 0.3839



Protanomaly

78.5380, 0.3160, 0.3725



Deuteranomaly

78.6678, 0.3129, 0.3530



Tritanomaly

80.0239, 0.2721, 0.3368

Monochromacy



Original Color

80.7753, 0.2760, 0.3839



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.7392, 0.2971, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7753, 0.2760, 0.3839 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(145, 253, 207)` looks like.

```
.text, #text, p{  
    color:rgb(145, 253, 207)  
}
```

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(145, 253, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 253, 207) }
```

Border

The CSS property to change the border of an element to Yxy 80.7753, 0.2760, 0.3839 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(145, 253, 207) }
```

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

```
.border{ border-color:rgb(145, 253, 207) }
```

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

Here you see how a box with a 4 pixel rgb(145, 253, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 253, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 253, 207);  
box-shadow:4px 4px 4px 4px rgb(145, 253,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7753, 0.2760, 0.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 253, 207) }
```

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

```
.background{ background-color: rgb(145,  
253, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor