

Converting Colors

$Yxy(79.6088, 0.2781, 0.4143)$

Have a look what the booklet for
Yxy(79.6088, 0.2781, 0.4143)
contains.

Yxy(79.5772, 0.2781, 0.4146)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.5772, 0.2781, 0.4146)

Conversions

Conversions Part 1

Format	Color
Hex	7FFFBA
RGB	127, 255, 186
RGB Percent	50%, 100%, 73%
CMY	0.5018, 0.0000, 0.2707
CMYK	0.50, 0.00, 0.27, 0.00
HSL	148°, 100%, 75%
HSV	148°, 50%, 100%
XYZ	53.3778, 79.5772, 58.9823
YIQ	208.8620, -54.1390, -48.5950

Conversions

Conversions Part 2

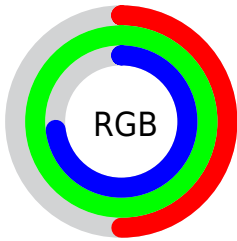
Format	Color
RYB	127, 215, 255
Decimal	8388538
CIELab	91.49, -50.82, 22.30
CIElCh	91, 55.498, 156.309
Yxy	79.5772, 0.2781, 0.4146
Android (android.graphics.Color)	4286578618 (0xFF7FFFBA)
YUV	208.8620, -11.2710, -71.7930
Hunter-Lab	89.2061, -49.3025, 23.2422

Details

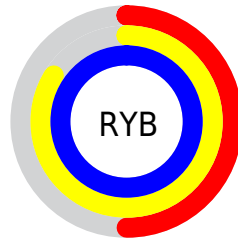
The Yxy color **79.5772, 0.2781, 0.4146** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **40.4410, 0.3764, 0.2589**, and the grayscale version is **63.7746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3699, 0.2796, 0.3430**, and **42.7498, 0.2687, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **77.3053, 0.2742, 0.4356**, and if you desaturate by 10%, it is **82.4060, 0.2835, 0.3945**.

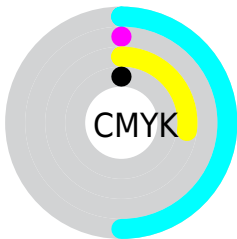
Distribution



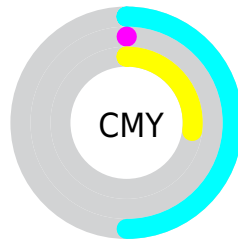
- Red (50%)
- Green (100%)
- Blue (73%)



- Red (50%)
- Yellow (84%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5772, 0.2781, 0.4146 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 79.5772, 0.2781, 0.4146 by changing the saturation by 10% instead.


 79.5772, 0.2781,
0.4146

 79.5772, 0.2781,
0.4146


493.5068, 0.2950,
0.3733

 59.3705, 0.2740,
0.4244

 132.7711, 0.2841,
0.3999

 42.9114, 0.2689,
0.4368


 166.5272, 0.2864,
0.3943

 29.8156, 0.2623,
0.4527


 205.5684, 0.2884,
0.3896

 19.6987, 0.2533,
0.4741

250.2793, 0.2901,
0.3854

 12.1762, 0.2406,
0.5039

301.0441, 0.2915,
0.3818

 6.8638, 0.2215,
0.5484


358.2474, 0.2928,


 3.3771, 0.1899,


0.3786

0.6202


422.2735, 0.2940,
0.3758


 1.3316, 0.0000,
1.0000


 0.1655, 0.0000,
1.0000


 79.5772, 0.2781,
0.4146


 79.5772, 0.2781,
0.4146

 77.3053, 0.2742,
0.4356

 82.4060, 0.2835,
0.3945


 75.5428, 0.2720,
0.4571

 85.8197, 0.2899,
0.3758

 74.2471, 0.2718,
0.4784

 89.8534, 0.2971,
0.3586

 73.3643, 0.2736,
0.4987

 94.5372, 0.3047,
0.3431

■ 72.8143, 0.2770,
0.5173

99.8992, 0.3126,
0.3292

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



79.5772, 0.3406, 0.4469



79.5772, 0.2781, 0.4146



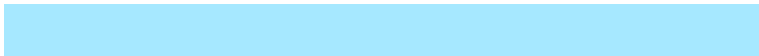
79.5772, 0.2280, 0.3509

Triad

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



79.5772, 0.2781, 0.4146



79.5772, 0.2263, 0.2290



79.5772, 0.4382, 0.3497

Complementary

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



79.5772, 0.2781, 0.4146



40.4410, 0.3764, 0.2589

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.



79.5772, 0.4016, 0.3015



79.5772, 0.2781, 0.4146



79.5772, 0.2747, 0.2353

Square

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



79.5772, 0.2781, 0.4146



79.5772, 0.2013, 0.2456



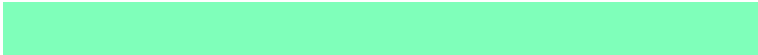
79.5772, 0.3391, 0.2611



79.5772, 0.4359, 0.3983

Rectangle

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



79.5772, 0.2781, 0.4146



79.5772, 0.2075, 0.3069



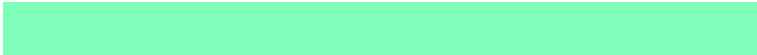
79.5772, 0.3391, 0.2611



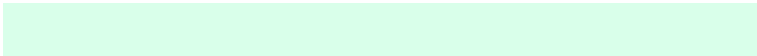
79.5772, 0.4301, 0.3332

Sweetspot

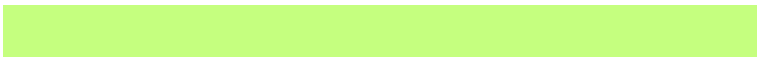
The Sweet Spot groups the original color and five complimentary colors.



79.5797, 0.2781, 0.4146



92.1949, 0.3010, 0.3504



84.9811, 0.3468, 0.4698



19.5248, 0.2994, 0.3537



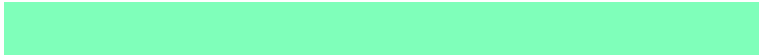
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.5797, 0.2781, 0.4146



77.3408, 0.2742, 0.4353



82.8507, 0.2498, 0.3362



20.3073, 0.3053, 0.3421



38.0764, 0.2762, 0.5142



3.7291, 0.2701, 0.4925

Inverse Universe

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



40.4410, 0.3764, 0.2589



34.2464, 0.3955, 0.2476



38.1576, 0.4493, 0.3229



18.1510, 0.3209, 0.3162



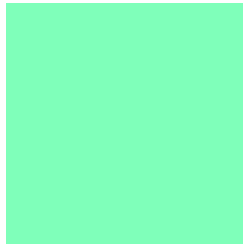
12.0918, 0.4797, 0.2416



1.1994, 0.4565, 0.2289

Previews

White Background



This preview shows how the Yxy color 79.5772, 0.2781, 0.4146 looks on a white background.

Color Contrast Check

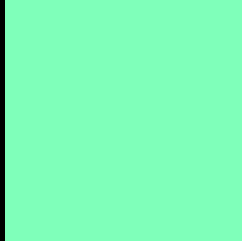
Large Text (above 18pt) WCAG AA × Fail

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 79.5772, 0.2781, 0.4146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

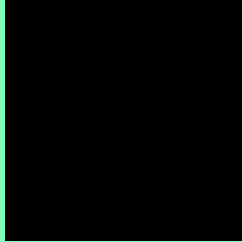
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5772, 0.2781, 0.4146

Background



This preview shows how black text looks on a background with the Yxy color 79.5772, 0.2781, 0.4146.



This preview shows how white text looks on a background with the Yxy color 79.5772, 0.2781, 0.4146.

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

79.5772, 0.2781, 0.4146

Protanopia

78.5071, 0.3609, 0.3864

Deuteranopia

78.3950, 0.3489, 0.3484



Tritanopia

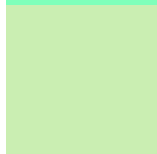
78.7703, 0.2662, 0.3124

Trichromacy



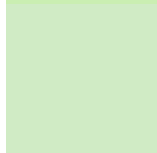
Original Color

79.5772, 0.2781, 0.4146



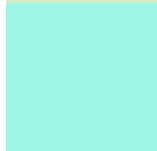
Protanomaly

76.9200, 0.3254, 0.3974



Deuteranomaly

76.8578, 0.3181, 0.3716



Tritanomaly

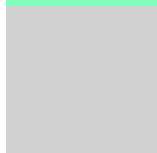
78.2871, 0.2700, 0.3463

Monochromacy



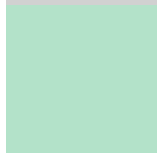
Original Color

79.5772, 0.2781, 0.4146



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.1935, 0.2965, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5772, 0.2781, 0.4146 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(127, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 186)  
}
```

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(127, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 186) }
```

Border

The CSS property to change the border of an element to Yxy 79.5772, 0.2781, 0.4146 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(127, 255, 186) }
```

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

```
.border{ border-color:rgb(127, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 255, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 255, 186); box-shadow:4px 4px 4px 4px rgb(127, 255, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5772, 0.2781, 0.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 186) }
```

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

```
.background{ background-color: rgb(127,  
255, 186) }
```

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