

Converting Colors

$Yxy(76.3034, 0.2880, 0.4509)$

Have a look what the booklet for
Yxy(76.3034, 0.2880, 0.4509)
contains.

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Color

Yxy(75.9771, 0.2879, 0.4509)

Conversions

Conversions Part 1

Format	Color
Hex	77FC9D
RGB	119, 252, 157
RGB Percent	47%, 99%, 62%
CMY	0.5331, 0.0118, 0.3843
CMYK	0.53, 0.00, 0.38, 0.01
HSL	137°, 96%, 73%
HSV	137°, 53%, 99%
XYZ	48.5114, 75.9771, 44.0125
YIQ	201.4030, -48.7730, -57.7410

Conversions

Conversions Part 2

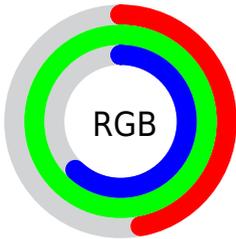
Format	Color
RYB	119, 222, 252
Decimal	7863453
CIELab	89.85, -56.66, 34.62
CIELCh	90, 66.402, 148.576
Yxy	75.9771, 0.2879, 0.4509
Android (android.graphics.Color)	4286053533 (0xFF77FC9D)
YUV	201.4030, -21.8907, -72.2674
Hunter-Lab	87.1648, -53.1946, 31.0779

Details

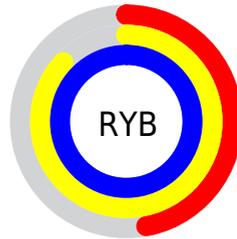
The Yxy color **75.9771, 0.2879, 0.4509** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **38.7617, 0.3555, 0.2340**, and the grayscale version is **58.8454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8572, 0.2912, 0.3775**, and **40.3604, 0.2788, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **73.8558, 0.2856, 0.4787**, and if you desaturate by 10%, it is **78.6680, 0.2914, 0.4237**.

Distribution



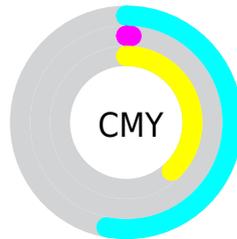
- Red (47%)
- Green (99%)
- Blue (62%)



- Red (47%)
- Yellow (87%)
- Blue (99%)



- Cyan (53%)
- Magenta (0%)
- Yellow (38%)
- Black (1%)



- Cyan (53%)
- Magenta (1%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9771, 0.2879, 0.4509 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 75.9771, 0.2879, 0.4509 by changing the saturation by 10% instead.

 75.9771, 0.2879,
0.4509

 75.9771, 0.2879,
0.4509

481.2693, 0.3016,
0.3908

 56.4137, 0.2842,
0.4655

 127.6945, 0.2931,
0.4294

 40.5347, 0.2793,
0.4838

 160.6174, 0.2950,
0.4212

 27.9557, 0.2726,
0.5077

 198.7622, 0.2966,
0.4142

 18.2923, 0.2630,
0.5397

242.5133, 0.2979,
0.4082

 11.1600, 0.2483,
0.5845

292.2552, 0.2990,
0.4030

 6.1746, 0.2242,
0.6501

348.3723, 0.3000,

 2.9515, 0.1929,

0.3985

0.8071

411.2488, 0.3008,
0.3944

■ 1.1065, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.9771, 0.2879,
0.4509

■ 75.9771, 0.2879,
0.4509

■ 73.8558, 0.2856,
0.4787

■ 78.6680, 0.2914,
0.4237

■ 72.2524, 0.2849,
0.5058

■ 81.9568, 0.2957,
0.3980

■ 71.1217, 0.2858,
0.5310

■ 85.8811, 0.3007,
0.3743

■ 70.4057, 0.2882,
0.5528

■ 90.4726, 0.3059,
0.3529

 70.0858, 0.2906,
0.5661

 95.7609, 0.3113,
0.3338

 98.0987, 0.3128,
0.3261

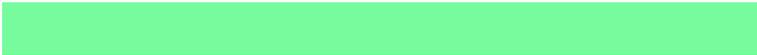
Harmonies

Analogous

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



75.9771, 0.3630, 0.4743



75.9771, 0.2879, 0.4509



75.9771, 0.2236, 0.3770

Triad

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



75.9771, 0.2879, 0.4509



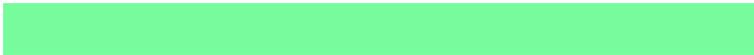
75.9771, 0.2000, 0.2127



75.9771, 0.4580, 0.3359

Complementary

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



75.9771, 0.2879, 0.4509



38.7617, 0.3555, 0.2340

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.



75.9771, 0.4027, 0.2819



75.9771, 0.2879, 0.4509



75.9771, 0.2493, 0.2144

Square

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



75.9771, 0.2879, 0.4509



75.9771, 0.1786, 0.2381



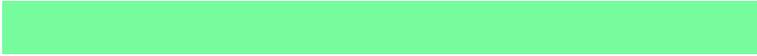
75.9771, 0.3228, 0.2390



75.9771, 0.4659, 0.3936

Rectangle

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



75.9771, 0.2879, 0.4509



75.9771, 0.1950, 0.3203



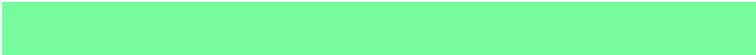
75.9771, 0.3228, 0.2390



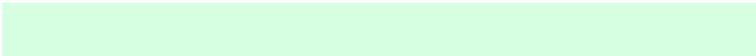
75.9771, 0.4442, 0.3172

Sweetspot

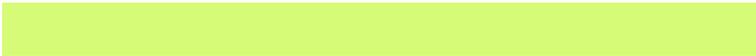
The Sweet Spot groups the original color and five complimentary colors.



75.9802, 0.2879, 0.4509



91.3289, 0.3042, 0.3596



85.2985, 0.3630, 0.4694



19.3380, 0.3031, 0.3640



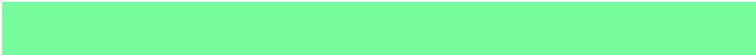
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



75.9802, 0.2879, 0.4509



75.8180, 0.2856, 0.4795



78.8836, 0.2571, 0.3637



19.3907, 0.3076, 0.3464



36.5314, 0.2898, 0.5632



3.4008, 0.2833, 0.5400

Inverse Universe

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



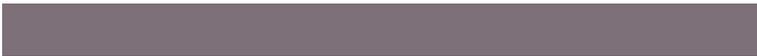
38.7617, 0.3555, 0.2340



33.9380, 0.3671, 0.2194



36.0382, 0.4330, 0.2996



17.4351, 0.3182, 0.3122



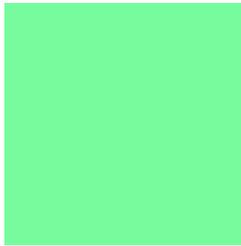
12.5249, 0.4093, 0.2029



1.1783, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 75.9771, 0.2879, 0.4509 looks on a white background.

Color Contrast Check

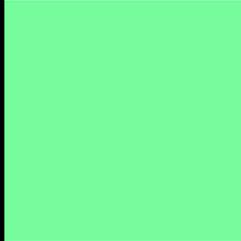
Large Text (above 18pt) WCAG AA × Fail

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 75.9771, 0.2879, 0.4509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

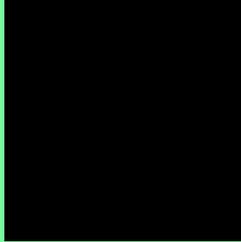
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9771, 0.2879, 0.4509

Background



This preview shows how black text looks on a background with the Yxy color 75.9771, 0.2879, 0.4509.

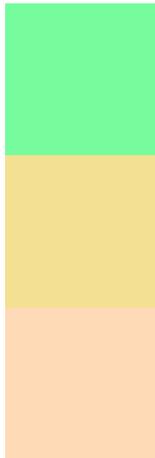


This preview shows how white text looks on a background with the Yxy color 75.9771, 0.2879, 0.4509.

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

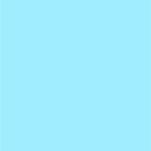
75.9771, 0.2879, 0.4509

Protanopia

74.6197, 0.3805, 0.4106

Deuteranopia

74.8217, 0.3652, 0.3650



Tritanopia

75.6382, 0.2568, 0.3097

Trichromacy



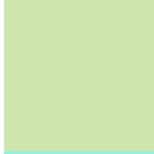
Original Color

75.9771, 0.2879, 0.4509



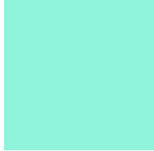
Protanomaly

73.1898, 0.3409, 0.4266



Deuteranomaly

72.7714, 0.3318, 0.3933



Tritanomaly

75.1449, 0.2682, 0.3578

Monochromacy



Original Color

75.9771, 0.2879, 0.4509



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.3471, 0.3010, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9771, 0.2879, 0.4509 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(119, 252, 157)` looks like.

```
.text, #text, p{  
    color:rgb(119, 252, 157)  
}
```

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(119, 252, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 252, 157) }
```

Border

The CSS property to change the border of an element to Yxy 75.9771, 0.2879, 0.4509 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(119, 252, 157) }
```

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

```
.border{ border-color:rgb(119, 252, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 252, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 252, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 252, 157); box-shadow:4px 4px 4px 4px rgb(119, 252, 157) }
```

Background

The CSS property to change the background color of an element to Yxy 75.9771, 0.2879, 0.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 252, 157) }
```

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

```
.background{ background-color: rgb(119,  
252, 157) }
```

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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