

Converting Colors

$Yxy(91.2517, 0.2962, 0.4755)$

Have a look what the booklet for
Yxy(91.2517, 0.2962, 0.4755)
contains.

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Color

Yxy(78.4215, 0.2955, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	81FF97
RGB	129, 255, 151
RGB Percent	51%, 100%, 59%
CMY	0.4937, 0.0000, 0.4078
CMYK	0.49, 0.00, 0.41, 0.00
HSL	130°, 100%, 75%
HSV	130°, 49%, 100%
XYZ	50.4102, 78.4215, 41.7611
YIQ	205.4700, -41.7120, -59.0560

Conversions

Conversions Part 2

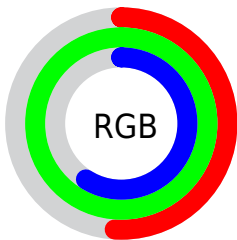
Format	Color
RYB	129, 236, 255
Decimal	8519575
CIELab	90.97, -56.36, 39.12
CIElCh	91, 68.606, 145.232
Yxy	78.4215, 0.2955, 0.4597
Android (android.graphics.Color)	4286709655 (0xFF81FF97)
YUV	205.4700, -26.8537, -67.0642
Hunter-Lab	88.5559, -53.3623, 34.0292

Details

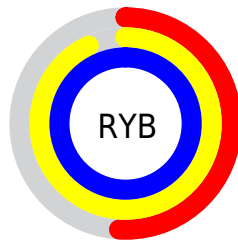
The Yxy color **78.4215, 0.2955, 0.4597** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **42.8718, 0.3381, 0.2271**, and the grayscale version is **61.5763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6676, 0.2995, 0.3837**, and **42.0266, 0.2880, 0.4934** is the 20% darker color. If you saturate the color by 10%, you get **76.0448, 0.2934, 0.4910**, and if you desaturate by 10%, it is **81.4253, 0.2984, 0.4288**.

Distribution



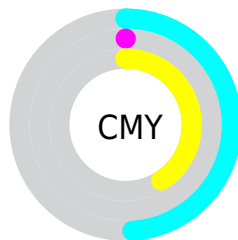
- Red (51%)
- Green (100%)
- Blue (59%)



- Red (51%)
- Yellow (93%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4215, 0.2955, 0.4597 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 78.4215, 0.2955, 0.4597 by changing the saturation by 10% instead.

 78.4215, 0.2955,
0.4597

 78.4215, 0.2955,
0.4597


489.5971, 0.3060,
0.3956

 58.4203, 0.2924,
0.4751


 131.1441, 0.2997,
0.4368

 42.1466, 0.2882,
0.4944


 164.6344, 0.3012,
0.4281

 29.2161, 0.2824,
0.5193


 203.3897, 0.3023,
0.4207

 19.2444, 0.2737,
0.5525

247.7946, 0.3033,
0.4143

 11.8470, 0.2600,
0.5981

298.2333, 0.3042,
0.4087

 6.6396, 0.2369,
0.6633


355.0904, 0.3049,


 3.2377, 0.2042,


0.4038


0.7958


418.7502, 0.3055,
0.3995


 1.2571, 0.0000,
1.0000


 0.1076, 0.0000,
1.0000


 78.4215, 0.2955,
0.4597


 78.4215, 0.2955,
0.4597

 76.0448, 0.2934,
0.4910


 81.4253, 0.2984,
0.4288


 74.2410, 0.2924,
0.5211

 85.0861, 0.3018,
0.3997

 72.9633, 0.2926,
0.5480

 89.4440, 0.3054,
0.3729

 72.1523, 0.2940,
0.5699

 94.5325, 0.3092,
0.3489

■ 71.7208, 0.2961,
0.5856

99.9955, 0.3127,
0.3290

■ 71.7003, 0.2962,
0.5864

Harmonies

Analogous

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



78.4215, 0.3720, 0.4764



78.4215, 0.2955, 0.4597



78.4215, 0.2278, 0.3879

Triad

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



78.4215, 0.2955, 0.4597



78.4215, 0.1940, 0.2119



78.4215, 0.4571, 0.3293

Complementary

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



78.4215, 0.2955, 0.4597



42.8718, 0.3381, 0.2271

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.



78.4215, 0.3962, 0.2753



78.4215, 0.2955, 0.4597



78.4215, 0.2410, 0.2109

Square

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



78.4215, 0.2955, 0.4597



78.4215, 0.1755, 0.2409



78.4215, 0.3137, 0.2335



78.4215, 0.4707, 0.3879

Rectangle

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



78.4215, 0.2955, 0.4597



78.4215, 0.1966, 0.3292



78.4215, 0.3137, 0.2335



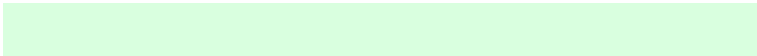
78.4215, 0.4413, 0.3104

Sweetspot

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



78.4248, 0.2955, 0.4597



91.5832, 0.3071, 0.3621



90.5971, 0.3708, 0.4560



19.3787, 0.3063, 0.3672



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.



78.4248, 0.2955, 0.4597



76.1277, 0.2935, 0.4899



80.9955, 0.2663, 0.3795



20.2198, 0.3092, 0.3492



37.4822, 0.2957, 0.5844



3.6630, 0.2906, 0.5661

Inverse Universe

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



42.8718, 0.3381, 0.2271



36.9183, 0.3445, 0.2107



39.9268, 0.4042, 0.2859



18.2429, 0.3165, 0.3096



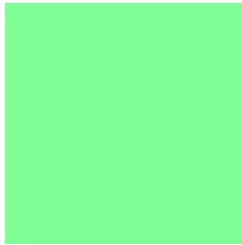
13.5760, 0.3706, 0.1815



1.3355, 0.3640, 0.1779

Previews

White Background



This preview shows how the Yxy color 78.4215, 0.2955, 0.4597 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 78.4215, 0.2955, 0.4597 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 78.4215, 0.2955, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 78.4215, 0.2955, 0.4597.

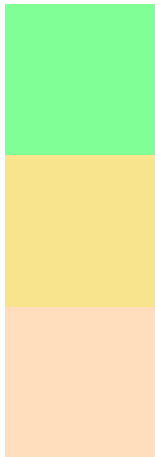


This preview shows how white text looks on a background with the Yxy color 78.4215, 0.2955, 0.4597.

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

78.4215, 0.2955, 0.4597

Protanopia

77.3367, 0.3858, 0.4191

Deuteranopia

77.2203, 0.3591, 0.3618



Tritanopia

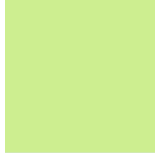
77.8372, 0.2645, 0.3112

Trichromacy



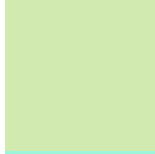
Original Color

78.4215, 0.2955, 0.4597



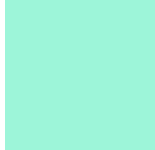
Protanomaly

76.1418, 0.3477, 0.4356



Deuteranomaly

75.5355, 0.3321, 0.3947



Tritanomaly

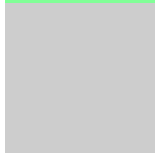
77.4827, 0.2760, 0.3620

Monochromacy



Original Color

78.4215, 0.2955, 0.4597



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6252, 0.3050, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4215, 0.2955, 0.4597 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(129, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 151)  
}
```

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(129, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 151) }
```

Border

The CSS property to change the border of an element to Yxy 78.4215, 0.2955, 0.4597 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(129, 255, 151) }
```

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

```
.border{ border-color:rgb(129, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4215, 0.2955, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 151) }
```

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

```
.background{ background-color: rgb(129,  
255, 151) }
```

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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