

# Converting Colors

$Yxy(80.5925, 0.2819, 0.4296)$

Have a look what the booklet for  
Yxy(80.5925, 0.2819, 0.4296)  
contains.

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# Color

**Yxy(79.0543, 0.2814, 0.4266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DFFB1
RGB	125, 255, 177
RGB Percent	49%, 100%, 69%
CMY	0.5101, 0.0000, 0.3058
CMYK	0.51, 0.00, 0.31, 0.00
HSL	144°, 100%, 74%
HSV	144°, 51%, 100%
XYZ	52.1469, 79.0543, 54.1112
YIQ	207.2380, -52.4420, -51.8180

# Conversions

## Conversions Part 2

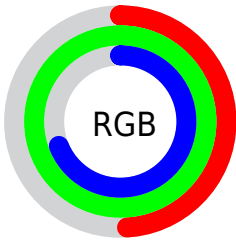
Format	Color
<a href="#">RYB</a>	<a href="#">125, 218, 255</a>
Decimal	<a href="#">8257457</a>
CIELab	<a href="#">91.26, -53.00, 26.51</a>
CIELCh	<a href="#">91, 59.260, 153.425</a>
Yxy	<a href="#">79.0543, 0.2814, 0.4266</a>
Android (android.graphics.Color)	<a href="#">4286447537</a> ( <a href="#">0xFF7DFFB1</a> )
YUV	<a href="#">207.2380, -14.9073, -72.1227</a>
Hunter-Lab	<a href="#">88.9125, -50.9071, 26.1554</a>

# Details

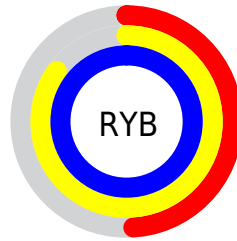
The Yxy color **79.0543, 0.2814, 0.4266** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **40.2191, 0.3694, 0.2504**, and the grayscale version is **62.6689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5935, 0.2831, 0.3530**, and **42.4119, 0.2725, 0.4516** is the 20% darker color. If you saturate the color by 10%, you get **76.7961, 0.2781, 0.4501**, and if you desaturate by 10%, it is **81.8647, 0.2861, 0.4040**.

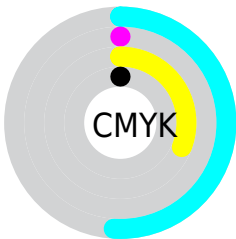
# Distribution



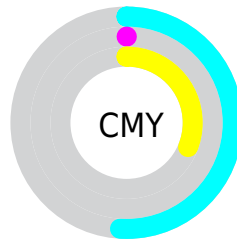
- Red (49%)
- Green (100%)
- Blue (69%)



- Red (49%)
- Yellow (85%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0543, 0.2814, 0.4266 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 79.0543, 0.2814, 0.4266 by changing the saturation by 10% instead.





 79.0543, 0.2814,  
0.4266

 79.0543, 0.2814,  
0.4266


491.7400, 0.2971,  
0.3792


 58.9405, 0.2775,  
0.4379


 132.0353, 0.2871,  
0.4097

 42.5652, 0.2725,  
0.4522


 165.6712, 0.2893,  
0.4033

 29.5441, 0.2660,  
0.4707


 204.5834, 0.2911,  
0.3978

 19.4928, 0.2570,  
0.4954

249.1560, 0.2926,  
0.3931

 12.0269, 0.2440,  
0.5301

299.7736, 0.2940,  
0.3889

 6.7620, 0.2239,  
0.5817


356.8205, 0.2952,


 3.3137, 0.1906,


0.3853

0.6667


420.6812, 0.2962,  
0.3821

 1.2976, 0.0000,  
1.0000


 0.1394, 0.0000,  
1.0000


 79.0543, 0.2814,  
0.4266


 79.0543, 0.2814,  
0.4266


 76.7961, 0.2781,  
0.4501


 81.8647, 0.2861,  
0.4040


 75.0622, 0.2765,  
0.4738

 85.2767, 0.2918,  
0.3829


 73.8016, 0.2768,  
0.4969

 89.3194, 0.2982,  
0.3635

 72.9590, 0.2790,  
0.5185

 94.0237, 0.3050,  
0.3461

 72.4813, 0.2822,  
0.5360

 99.4183, 0.3120,  
0.3305

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.



79.0543, 0.3482, 0.4564



79.0543, 0.2814, 0.4266



79.0543, 0.2265, 0.3593

# Triad

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



79.0543, 0.2814, 0.4266



79.0543, 0.2173, 0.2234



79.0543, 0.4450, 0.3451

# Complementary

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



79.0543, 0.2814, 0.4266



40.2191, 0.3694, 0.2504

# 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.



79.0543, 0.4022, 0.2949



79.0543, 0.2814, 0.4266



79.0543, 0.2661, 0.2281

# Square

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



79.0543, 0.2814, 0.4266



79.0543, 0.1935, 0.2430



79.0543, 0.3338, 0.2536



79.0543, 0.4460, 0.3970



# Rectangle

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



79.0543, 0.2814, 0.4266



79.0543, 0.2032, 0.3112



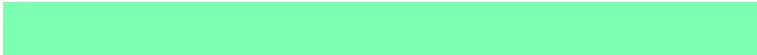
79.0543, 0.3338, 0.2536



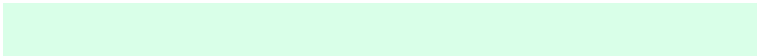
79.0543, 0.4350, 0.3278

# Sweetspot

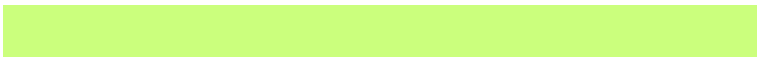
The Sweet Spot groups the original color and five complimentary colors.



79.0500, 0.2814, 0.4266



92.0633, 0.3023, 0.3528



85.6919, 0.3515, 0.4700



19.4933, 0.3008, 0.3565



0.0000, 0.0000, 0.0000

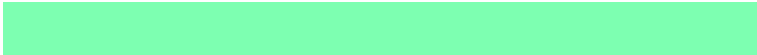


21.4041, 0.3127, 0.3290



# Same Dimension

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



79.0500, 0.2814, 0.4266



76.7972, 0.2781, 0.4501



82.2856, 0.2518, 0.3440



20.2887, 0.3061, 0.3436



37.9006, 0.2814, 0.5330



3.7111, 0.2751, 0.5103



# Inverse Universe

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



40.2191, 0.3694, 0.2504



34.1069, 0.3859, 0.2378



37.7443, 0.4451, 0.3161



18.1700, 0.3200, 0.3148



12.3391, 0.4546, 0.2278

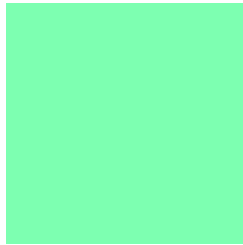


1.2230, 0.4351, 0.2171



# Previews

## White Background



This preview shows how the Yxy color 79.0543, 0.2814, 0.4266 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 79.0543, 0.2814, 0.4266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

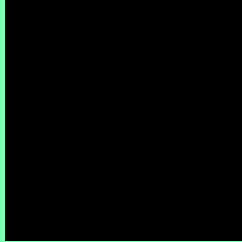
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

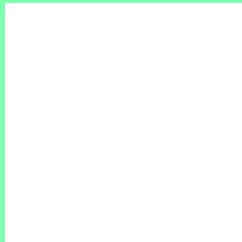
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.0543, 0.2814, 0.4266**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0543, 0.2814, 0.4266.

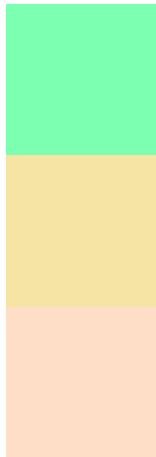


This preview shows how white text looks on a background with the Yxy color 79.0543, 0.2814, 0.4266.

# 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

79.0543, 0.2814, 0.4266

### Protanopia

77.7962, 0.3680, 0.3946

### Deuteranopia

77.6261, 0.3527, 0.3525



## Tritanopia

78.4244, 0.2646, 0.3123

# Trichromacy



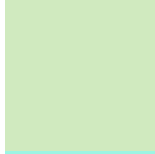
## Original Color

79.0543, 0.2814, 0.4266



## Protanomaly

76.5702, 0.3308, 0.4079



## Deuteranomaly

76.0171, 0.3219, 0.3774



## Tritanomaly

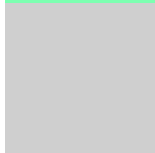
77.9188, 0.2705, 0.3499

# Monochromacy



## Original Color

79.0543, 0.2814, 0.4266



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.6439, 0.2982, 0.3630

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0543, 0.2814, 0.4266 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(125, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(125, 255, 177)  
}
```

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(125, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0543, 0.2814, 0.4266 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(125, 255, 177) }
```

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

```
.border{ border-color:rgb(125, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(125, 255,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0543, 0.2814, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 255, 177) }
```

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

```
.background{ background-color: rgb(125,  
255, 177) }
```

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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