

Converting Colors

$Yxy(95.8433, 0.2897, 0.4528)$

Have a look what the booklet for
Yxy(95.8433, 0.2897, 0.4528)
contains.

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Color

Yxy(79.6495, 0.2884, 0.4318)

Conversions

Conversions Part 1

Format	Color
Hex	87FFAC
RGB	135, 255, 172
RGB Percent	53%, 100%, 67%
CMY	0.4706, 0.0000, 0.3254
CMYK	0.47, 0.00, 0.33, 0.00
HSL	139°, 100%, 76%
HSV	139°, 47%, 100%
XYZ	53.1980, 79.6495, 51.6117
YIQ	209.6580, -44.8770, -51.2530

Conversions

Conversions Part 2

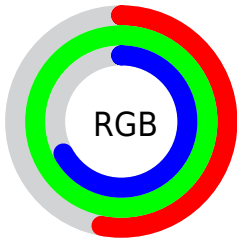
Format	Color
RYB	135, 227, 255
Decimal	8912812
CIELab	91.53, -51.42, 29.45
CIElCh	92, 59.261, 150.200
Yxy	79.6495, 0.2884, 0.4318
Android (android.graphics.Color)	4287102892 (0xFF87FFAC)
YUV	209.6580, -18.5654, -65.4751
Hunter-Lab	89.2466, -49.7813, 28.1849

Details

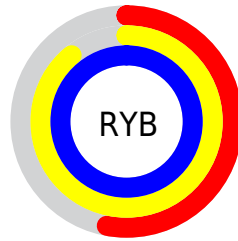
The Yxy color **79.6495, 0.2884, 0.4318** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.6440, 0.3522, 0.2457**, and the grayscale version is **64.3574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5908, 0.2912, 0.3582**, and **42.7603, 0.2808, 0.4584** is the 20% darker color. If you saturate the color by 10%, you get **77.1485, 0.2852, 0.4585**, and if you desaturate by 10%, it is **82.7465, 0.2926, 0.4062**.

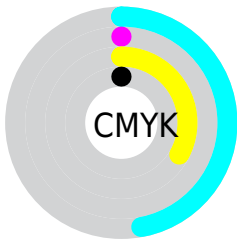
Distribution



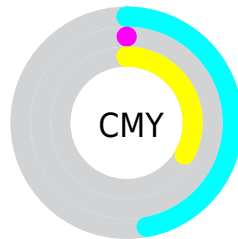
- Red (53%)
- Green (100%)
- Blue (67%)



- Red (53%)
- Yellow (89%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6495, 0.2884, 0.4318 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 79.6495, 0.2884, 0.4318 by changing the saturation by 10% instead.


 79.6495, 0.2884,
0.4318

 79.6495, 0.2884,
0.4318


493.7508, 0.3011,
0.3819


 59.4300, 0.2851,
0.4437


 132.8728, 0.2931,
0.4140

 42.9593, 0.2809,
0.4587


 166.6454, 0.2948,
0.4073

 29.8532, 0.2752,
0.4781


 205.7045, 0.2963,
0.4015

 19.7272, 0.2673,
0.5039

250.4344, 0.2976,
0.3965

 12.1969, 0.2556,
0.5400

301.2197, 0.2986,
0.3921

 6.8779, 0.2369,
0.5933


358.4445, 0.2996,


 3.3859, 0.2066,

0.3883

0.6850


422.4935, 0.3004,
0.3849

 1.3363, 0.0000,
1.0000


 0.1691, 0.0000,
1.0000


 79.6495, 0.2884,
0.4318

 79.6495, 0.2884,
0.4318

 77.1485, 0.2852,
0.4585

 82.7465, 0.2926,
0.4062


 75.2036, 0.2835,
0.4855

 86.4764, 0.2976,
0.3824

 73.7694, 0.2834,
0.5115

 90.8725, 0.3031,
0.3607

 72.7927, 0.2850,
0.5352

 95.9658, 0.3087,
0.3413

■ 72.2065, 0.2881,
0.5555

100.0000, 0.3127,
0.3290

■ 72.0802, 0.2891,
0.5608

Harmonies

Analogous

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



79.6495, 0.3553, 0.4563



79.6495, 0.2884, 0.4318



79.6495, 0.2316, 0.3672

Triad

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



79.6495, 0.2884, 0.4318



79.6495, 0.2137, 0.2245



79.6495, 0.4420, 0.3395

Complementary

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



79.6495, 0.2884, 0.4318



43.6440, 0.3522, 0.2457

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.



79.6495, 0.3954, 0.2900



79.6495, 0.2884, 0.4318



79.6495, 0.2599, 0.2268

Square

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



79.6495, 0.2884, 0.4318



79.6495, 0.1927, 0.2469



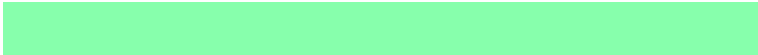
79.6495, 0.3260, 0.2501



79.6495, 0.4476, 0.3915

Rectangle

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



79.6495, 0.2884, 0.4318



79.6495, 0.2064, 0.3186



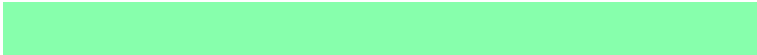
79.6495, 0.3260, 0.2501



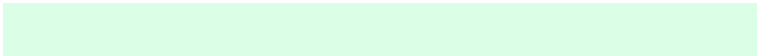
79.6495, 0.4305, 0.3224

Sweetspot

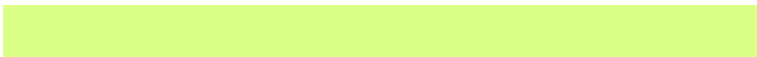
The Sweet Spot groups the original color and five complimentary colors.



79.6493, 0.2884, 0.4318



92.3577, 0.3048, 0.3546



88.3283, 0.3575, 0.4553



19.5430, 0.3036, 0.3589



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.



79.6493, 0.2884, 0.4318



77.3874, 0.2855, 0.4557



82.4391, 0.2605, 0.3570



20.2605, 0.3073, 0.3459



37.6868, 0.2883, 0.5579



3.6880, 0.2821, 0.5355

Inverse Universe

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



43.6440, 0.3522, 0.2457



37.5920, 0.3627, 0.2319



41.0870, 0.4160, 0.3043



18.1993, 0.3186, 0.3127



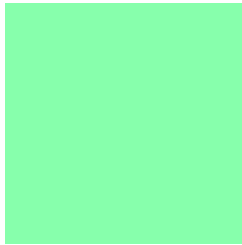
12.7809, 0.4181, 0.2077



1.2640, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 79.6495, 0.2884, 0.4318 looks on a white background.

Color Contrast Check

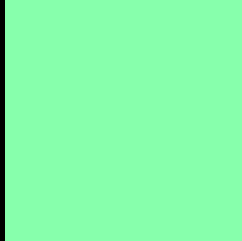
Large Text (above 18pt) WCAG AA × Fail

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 79.6495, 0.2884, 0.4318 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 79.6495, 0.2884, 0.4318

Background



This preview shows how black text looks on a background with the Yxy color 79.6495, 0.2884, 0.4318.

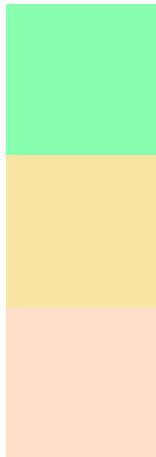


This preview shows how white text looks on a background with the Yxy color 79.6495, 0.2884, 0.4318.

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

79.6495, 0.2884, 0.4318

Protanopia

78.3860, 0.3711, 0.3995

Deuteranopia

78.1589, 0.3525, 0.3535



Tritanopia

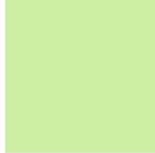
79.1239, 0.2677, 0.3125

Trichromacy



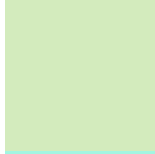
Original Color

79.6495, 0.2884, 0.4318



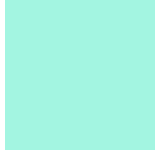
Protanomaly

76.9875, 0.3360, 0.4118



Deuteranomaly

76.9397, 0.3252, 0.3805



Tritanomaly

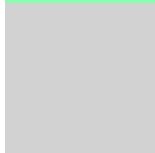
78.5276, 0.2751, 0.3521

Monochromacy



Original Color

79.6495, 0.2884, 0.4318



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.4455, 0.3022, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6495, 0.2884, 0.4318 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(135, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 172)  
}
```

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(135, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 79.6495, 0.2884, 0.4318 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(135, 255, 172) }
```

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

```
.border{ border-color:rgb(135, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6495, 0.2884, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 172) }
```

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

```
.background{ background-color: rgb(135,  
255, 172) }
```

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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