

Converting Colors

$Yxy(99.2933, 0.2847, 0.4483)$

Have a look what the booklet for
Yxy(99.2933, 0.2847, 0.4483)
contains.

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Color

Yxy(79.5611, 0.2823, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	82FFB4
RGB	130, 255, 180
RGB Percent	51%, 100%, 71%
CMY	0.4899, 0.0000, 0.2942
CMYK	0.49, 0.00, 0.29, 0.00
HSL	144°, 100%, 76%
HSV	144°, 49%, 100%
XYZ	53.2104, 79.5611, 55.7173
YIQ	209.0750, -50.4250, -49.8250

Conversions

Conversions Part 2

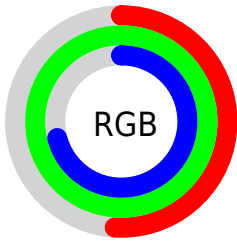
Format	Color
RYB	130, 219, 255
Decimal	8585140
CIELab	91.49, -51.22, 25.35
CIELCh	91, 57.152, 153.666
Yxy	79.5611, 0.2823, 0.4221
Android (android.graphics.Color)	4286775220 (0xFF82FFB4)
YUV	209.0750, -14.3340, -69.3488
Hunter-Lab	89.1970, -49.6109, 25.4022

Details

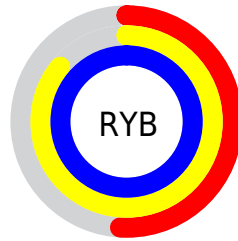
The Yxy color **79.5611, 0.2823, 0.4221** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **41.6579, 0.3661, 0.2531**, and the grayscale version is **63.9442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3949, 0.2842, 0.3495**, and **42.7300, 0.2737, 0.4455** is the 20% darker color. If you saturate the color by 10%, you get **77.2002, 0.2787, 0.4455**, and if you desaturate by 10%, it is **82.4972, 0.2872, 0.3998**.

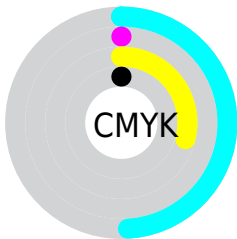
Distribution



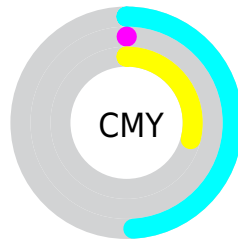
- Red (51%)
- Green (100%)
- Blue (71%)



- Red (51%)
- Yellow (86%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5611, 0.2823, 0.4221 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 79.5611, 0.2823, 0.4221 by changing the saturation by 10% instead.

 79.5611, 0.2823,
0.4221

 79.5611, 0.2823,
0.4221

493.4525, 0.2975,
0.3770


 59.3573, 0.2786,
0.4329

 132.7485, 0.2878,
0.4061

 42.9008, 0.2738,
0.4464


 166.5008, 0.2899,
0.4000

 29.8073, 0.2675,
0.4638


 205.5381, 0.2916,
0.3947

 19.6923, 0.2590,
0.4872

250.2447, 0.2931,
0.3902

 12.1716, 0.2467,
0.5199

301.0051, 0.2944,
0.3863

 6.8607, 0.2278,
0.5686


358.2035, 0.2956,


 3.3751, 0.1960,


0.3828


0.6472


422.2245, 0.2966,
0.3798


 1.3306, 0.0000,
1.0000


 0.1647, 0.0000,
1.0000


 79.5611, 0.2823,
0.4221


 79.5611, 0.2823,
0.4221


 77.2002, 0.2787,
0.4455


 82.4972, 0.2872,
0.3998


 75.3648, 0.2767,
0.4693

 86.0345, 0.2931,
0.3789

 74.0129, 0.2767,
0.4926

 90.2091, 0.2996,
0.3599

 73.0913, 0.2785,
0.5146

 95.0515, 0.3064,
0.3428

■ 72.5222, 0.2819,
0.5344

99.9982, 0.3127,
0.3290

■ 72.4746, 0.2823,
0.5363

Harmonies

Analogous

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



79.5611, 0.3468, 0.4513



79.5611, 0.2823, 0.4221



79.5611, 0.2293, 0.3577

Triad

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



79.5611, 0.2823, 0.4221



79.5611, 0.2207, 0.2268



79.5611, 0.4402, 0.3455

Complementary

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



79.5611, 0.2823, 0.4221



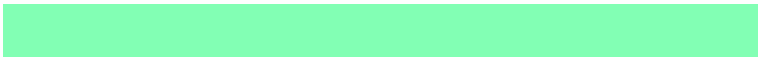
41.6579, 0.3661, 0.2531

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.



79.5611, 0.3993, 0.2965



79.5611, 0.2823, 0.4221



79.5611, 0.2683, 0.2315

Square

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



79.5611, 0.2823, 0.4221



79.5611, 0.1974, 0.2459



79.5611, 0.3337, 0.2563



79.5611, 0.4412, 0.3956

Rectangle

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



79.5611, 0.2823, 0.4221



79.5611, 0.2067, 0.3117



79.5611, 0.3337, 0.2563



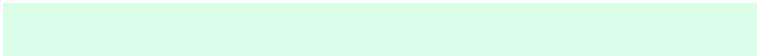
79.5611, 0.4306, 0.3286

Sweetspot

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



79.5644, 0.2823, 0.4221



92.0612, 0.3023, 0.3528



86.4134, 0.3518, 0.4637



19.4928, 0.3009, 0.3565



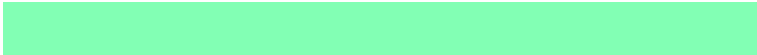
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

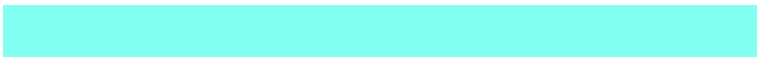
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.5644, 0.2823, 0.4221



77.1998, 0.2787, 0.4455



82.5866, 0.2544, 0.3458



20.2884, 0.3061, 0.3436



37.8980, 0.2815, 0.5332



3.7109, 0.2752, 0.5106

Inverse Universe

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



41.6579, 0.3661, 0.2531



35.2076, 0.3823, 0.2400



39.2789, 0.4347, 0.3143



18.1703, 0.3200, 0.3148



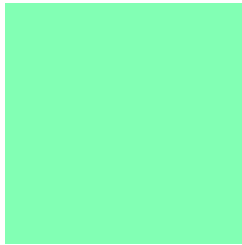
12.3434, 0.4542, 0.2276



1.2234, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 79.5611, 0.2823, 0.4221 looks on a white background.

Color Contrast Check

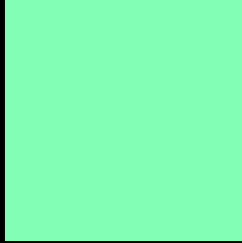
Large Text (above 18pt) WCAG AA × Fail

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 79.5611, 0.2823, 0.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

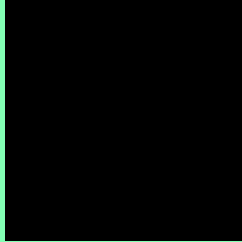
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5611, 0.2823, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 79.5611, 0.2823, 0.4221.

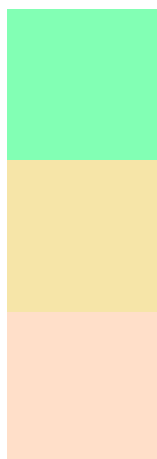


This preview shows how white text looks on a background with the Yxy color 79.5611, 0.2823, 0.4221.

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

79.5611, 0.2823, 0.4221

Protanopia

78.4586, 0.3657, 0.3925

Deuteranopia

78.2524, 0.3511, 0.3514



Tritanopia

78.8873, 0.2667, 0.3124

Trichromacy



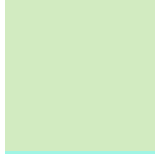
Original Color

79.5611, 0.2823, 0.4221



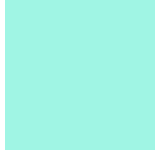
Protanomaly

76.9650, 0.3304, 0.4041



Deuteranomaly

76.9686, 0.3220, 0.3760



Tritanomaly

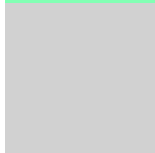
78.3798, 0.2720, 0.3486

Monochromacy



Original Color

79.5611, 0.2823, 0.4221



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.1732, 0.2990, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5611, 0.2823, 0.4221 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(130, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 180)  
}
```

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(130, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 180) }
```

Border

The CSS property to change the border of an element to Yxy 79.5611, 0.2823, 0.4221 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(130, 255, 180) }
```

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

```
.border{ border-color:rgb(130, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5611, 0.2823, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 180) }
```

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

```
.background{ background-color: rgb(130,  
255, 180) }
```

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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