

Converting Colors

Yxy(76.8526, 0.2831, 0.4588)

Have a look what the booklet for
Yxy(76.8526, 0.2831, 0.4588)
contains.

Yxy(76.8296, 0.2828, 0.4585)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.8296, 0.2828, 0.4585)

Conversions

Conversions Part 1

Format	Color
Hex	68FF9B
RGB	104, 255, 155
RGB Percent	41%, 100%, 61%
CMY	0.5921, 0.0000, 0.3921
CMYK	0.59, 0.00, 0.39, 0.00
HSL	140°, 100%, 70%
HSV	140°, 59%, 100%
XYZ	47.3880, 76.8296, 43.3497
YIQ	198.4510, -57.8960, -63.1120

Conversions

Conversions Part 2

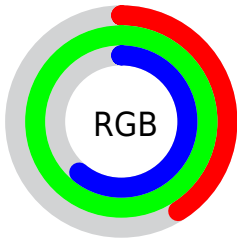
Format	Color
RYB	104, 217, 255
Decimal	6881179
CIELab	90.24, -61.47, 36.05
CIElCh	90, 71.261, 149.613
Yxy	76.8296, 0.2828, 0.4585
Android (android.graphics.Color)	4285071259 (0xFF68FF9B)
YUV	198.4510, -21.4213, -82.8335
Hunter-Lab	87.6525, -56.8885, 32.0341

Details

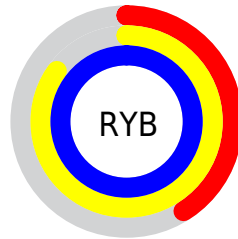
The Yxy color **76.8296, 0.2828, 0.4585** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.5245, 0.3717, 0.2313**, and the grayscale version is **56.9250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2801, 0.2852, 0.3808**, and **41.0605, 0.2725, 0.4928** is the 20% darker color. If you saturate the color by 10%, you get **75.0006, 0.2812, 0.4844**, and if you desaturate by 10%, it is **79.2030, 0.2859, 0.4327**.

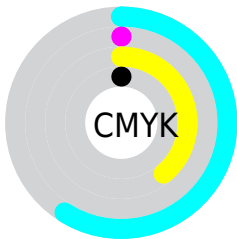
Distribution



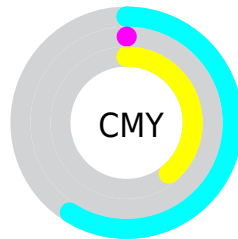
- Red (41%)
- Green (100%)
- Blue (61%)



- Red (41%)
- Yellow (85%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8296, 0.2828, 0.4585 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 76.8296, 0.2828, 0.4585 by changing the saturation by 10% instead.


 76.8296, 0.2828,
0.4585


 76.8296, 0.2828,
0.4585


484.1828, 0.2990,
0.3945


 57.1130, 0.2785,
0.4740


 128.8989, 0.2889,
0.4356

 41.0960, 0.2728,
0.4936


 162.0205, 0.2912,
0.4269

 28.3941, 0.2650,
0.5190


 200.3791, 0.2930,
0.4195

 18.6230, 0.2540,
0.5530

244.3593, 0.2946,
0.4131

 11.3982, 0.2374,
0.6005

294.3453, 0.2960,
0.4075

 6.3353, 0.2105,
0.6696


350.7217, 0.2971,


 3.0500, 0.1711,


0.4027


0.8289

413.8727, 0.2982,
0.3984


 1.1579, 0.0000,
1.0000

 0.0269, 0.0000,
1.0000


 76.8296, 0.2828,
0.4585


 76.8296, 0.2828,
0.4585

 75.0006, 0.2812,
0.4844


 79.2030, 0.2859,
0.4327


 73.6640, 0.2814,
0.5094


 82.1557, 0.2902,
0.4079

 72.7670, 0.2834,
0.5323

 85.7266, 0.2954,
0.3848

 72.2289, 0.2868,
0.5521

 89.9491, 0.3011,
0.3636

 72.1941, 0.2871,
0.5535

 94.8545, 0.3071,
0.3446

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.



76.8296, 0.3624, 0.4847



76.8296, 0.2828, 0.4585



76.8296, 0.2157, 0.3770

Triad

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



76.8296, 0.2828, 0.4585



76.8296, 0.1947, 0.2055



76.8296, 0.4691, 0.3373

Complementary

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



76.8296, 0.2828, 0.4585



35.5245, 0.3717, 0.2313

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.



76.8296, 0.4115, 0.2806



76.8296, 0.2828, 0.4585



76.8296, 0.2475, 0.2085

Square

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



76.8296, 0.2828, 0.4585



76.8296, 0.1714, 0.2306



76.8296, 0.3261, 0.2351



76.8296, 0.4749, 0.3980

Rectangle

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



76.8296, 0.2828, 0.4585



76.8296, 0.1867, 0.3160



76.8296, 0.3261, 0.2351



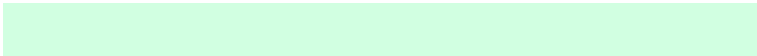
76.8296, 0.4551, 0.3176

Sweetspot

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



76.8315, 0.2828, 0.4585



90.5046, 0.3018, 0.3612



85.4527, 0.3619, 0.4881



19.0888, 0.3001, 0.3671



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.



76.8315, 0.2828, 0.4585



74.7261, 0.2811, 0.4890



80.1683, 0.2497, 0.3592



20.2694, 0.3069, 0.3451



37.7478, 0.2863, 0.5505



3.6948, 0.2800, 0.5278

Inverse Universe

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



35.5245, 0.3717, 0.2313



30.0389, 0.3888, 0.2187



32.7547, 0.4670, 0.3049



18.1899, 0.3190, 0.3134



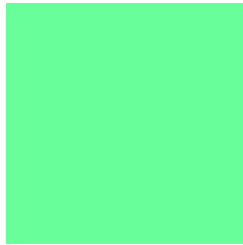
12.6320, 0.4294, 0.2139



1.2503, 0.4138, 0.2053

Previews

White Background



This preview shows how the Yxy color 76.8296, 0.2828, 0.4585 looks on a white background.

Color Contrast Check

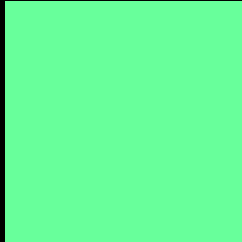
Large Text (above 18pt) WCAG AA × Fail

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 76.8296, 0.2828, 0.4585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

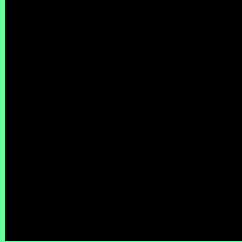
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8296, 0.2828, 0.4585

Background



This preview shows how black text looks on a background with the Yxy color 76.8296, 0.2828, 0.4585.

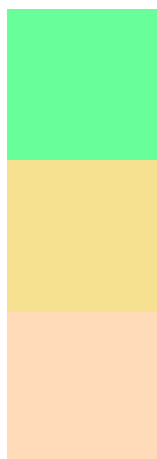


This preview shows how white text looks on a background with the Yxy color 76.8296, 0.2828, 0.4585.

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

76.8296, 0.2828, 0.4585

Protanopia

75.2461, 0.3829, 0.4143

Deuteranopia

75.4258, 0.3635, 0.3640



Tritanopia

76.2221, 0.2570, 0.3108

Trichromacy



Original Color

76.8296, 0.2828, 0.4585



Protanomaly

73.5668, 0.3386, 0.4331



Deuteranomaly

73.0486, 0.3272, 0.3963



Tritanomaly

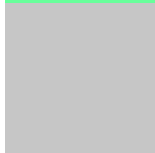
75.8226, 0.2657, 0.3603

Monochromacy



Original Color

76.8296, 0.2828, 0.4585



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.9329, 0.2981, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8296, 0.2828, 0.4585 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(104, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 155)  
}
```

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(104, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 76.8296, 0.2828, 0.4585 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(104, 255, 155) }
```

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

```
.border{ border-color:rgb(104, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8296, 0.2828, 0.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 155) }
```

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

```
.background{ background-color: rgb(104,  
255, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor