

Converting Colors

$Y_{xy}(76.7581, 0.2814, 0.4570)$

Have a look what the booklet for
Yxy(76.7581, 0.2814, 0.4570)
contains.

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Color

Yxy(76.7451, 0.2816, 0.4575)

Conversions

Conversions Part 1

Format	Color
Hex	66FF9C
RGB	102, 255, 156
RGB Percent	40%, 100%, 61%
CMY	0.6000, 0.0000, 0.3883
CMYK	0.60, 0.00, 0.39, 0.00
HSL	141°, 100%, 70%
HSV	141°, 60%, 100%
XYZ	47.2381, 76.7451, 43.7657
YIQ	197.9670, -59.4090, -63.2250

Conversions

Conversions Part 2

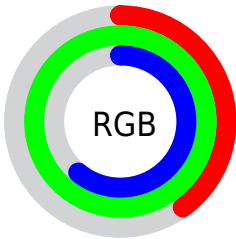
Format	Color
RYB	102, 215, 255
Decimal	6750108
CIELab	90.20, -61.72, 35.51
CIELCh	90, 71.208, 150.087
Yxy	76.7451, 0.2816, 0.4575
Android (android.graphics.Color)	4284940188 (0xFF66FF9C)
YUV	197.9670, -20.6897, -84.1631
Hunter-Lab	87.6043, -57.0565, 31.7027

Details

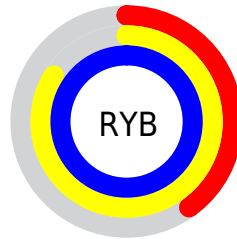
The Yxy color **76.7451, 0.2816, 0.4575** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.9796, 0.3755, 0.2323**, and the grayscale version is **56.6032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2225, 0.2842, 0.3797**, and **41.0175, 0.2711, 0.4914** is the 20% darker color. If you saturate the color by 10%, you get **74.9549, 0.2801, 0.4829**, and if you desaturate by 10%, it is **79.0673, 0.2847, 0.4322**.

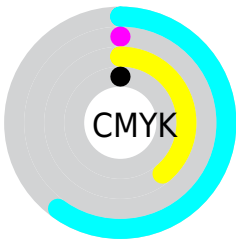
Distribution



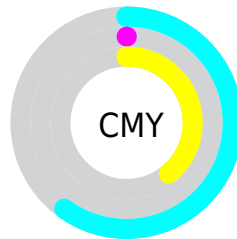
- Red (40%)
- Green (100%)
- Blue (61%)



- Red (40%)
- Yellow (84%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7451, 0.2816, 0.4575 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 76.7451, 0.2816, 0.4575 by changing the saturation by 10% instead.


 76.7451, 0.2816,
0.4575


 76.7451, 0.2816,
0.4575


483.8945, 0.2984,
0.3940


 57.0437, 0.2772,
0.4729


 128.7796, 0.2879,
0.4347

 41.0403, 0.2713,
0.4923

 161.8815, 0.2902,
0.4261

 28.3506, 0.2635,
0.5176


 200.2190, 0.2921,
0.4187

 18.5901, 0.2523,
0.5514

244.1765, 0.2938,
0.4124

 11.3745, 0.2355,
0.5987

294.1384, 0.2952,
0.4069

 6.3193, 0.2085,
0.6677


350.4891, 0.2964,


 3.0402, 0.1692,


0.4021


0.8308


413.6130, 0.2974,
0.3978

 1.1528, 0.0000,
1.0000


 0.0226, 0.0000,
1.0000


 76.7451, 0.2816,
0.4575


 76.7451, 0.2816,
0.4575


 74.9549, 0.2801,
0.4829

 79.0673, 0.2847,
0.4322

 73.6531, 0.2804,
0.5074


 81.9653, 0.2890,
0.4079

 72.7835, 0.2825,
0.5299

 85.4751, 0.2943,
0.3852

 72.2577, 0.2860,
0.5495

 89.6302, 0.3002,
0.3644

 94.4618, 0.3064,
0.3456

99.9989, 0.3127,
0.3290

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.



76.7451, 0.3611, 0.4847



76.7451, 0.2816, 0.4575



76.7451, 0.2149, 0.3755

Triad

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



76.7451, 0.2816, 0.4575



76.7451, 0.1954, 0.2054



76.7451, 0.4696, 0.3383

Complementary

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



76.7451, 0.2816, 0.4575



34.9796, 0.3755, 0.2323

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.



76.7451, 0.4127, 0.2814



76.7451, 0.2816, 0.4575



76.7451, 0.2486, 0.2088

Square

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



76.7451, 0.2816, 0.4575



76.7451, 0.1715, 0.2300



76.7451, 0.3274, 0.2357



76.7451, 0.4745, 0.3990

Rectangle

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



76.7451, 0.2816, 0.4575



76.7451, 0.1862, 0.3147



76.7451, 0.3274, 0.2357



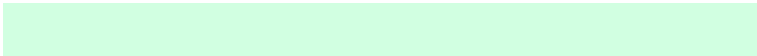
76.7451, 0.4558, 0.3186

Sweetspot

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



76.7441, 0.2816, 0.4575



90.5422, 0.3014, 0.3605



84.9590, 0.3605, 0.4911



19.0979, 0.2996, 0.3662



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.



76.7441, 0.2816, 0.4575



74.6574, 0.2800, 0.4879



80.1735, 0.2482, 0.3565



20.2740, 0.3067, 0.3448



37.7817, 0.2851, 0.5465



3.6985, 0.2788, 0.5237

Inverse Universe

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



34.9796, 0.3755, 0.2323



29.5449, 0.3939, 0.2203



32.2411, 0.4736, 0.3073



18.1851, 0.3192, 0.3137



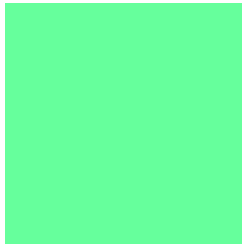
12.5583, 0.4353, 0.2172



1.2435, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 76.7451, 0.2816, 0.4575 looks on a white background.

Color Contrast Check

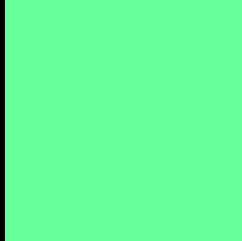
Large Text (above 18pt) WCAG AA × Fail

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 76.7451, 0.2816, 0.4575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

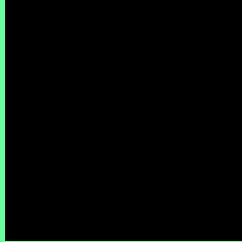
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

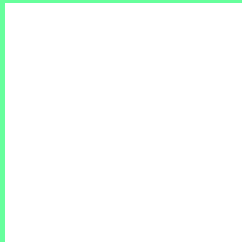
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7451, 0.2816, 0.4575

Background



This preview shows how black text looks on a background with the Yxy color 76.7451, 0.2816, 0.4575.

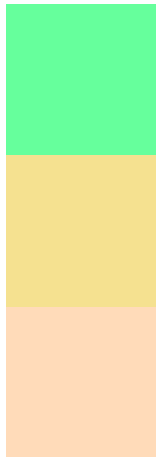


This preview shows how white text looks on a background with the Yxy color 76.7451, 0.2816, 0.4575.

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

76.7451, 0.2816, 0.4575

Protanopia

75.2765, 0.3822, 0.4133

Deuteranopia

75.4258, 0.3635, 0.3640



Tritanopia

76.1211, 0.2565, 0.3108

Trichromacy



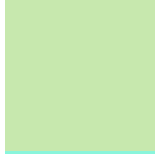
Original Color

76.7451, 0.2816, 0.4575



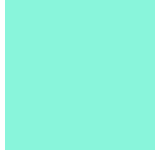
Protanomaly

73.4665, 0.3373, 0.4322



Deuteranomaly

72.9113, 0.3265, 0.3964



Tritanomaly

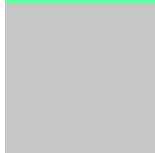
75.7377, 0.2653, 0.3603

Monochromacy



Original Color

76.7451, 0.2816, 0.4575



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.8685, 0.2968, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7451, 0.2816, 0.4575 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(102, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 156)  
}
```

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(102, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 76.7451, 0.2816, 0.4575 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(102, 255, 156) }
```

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

```
.border{ border-color:rgb(102, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7451, 0.2816, 0.4575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 156) }
```

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

```
.background{ background-color: rgb(102,  
255, 156) }
```

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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