

Converting Colors

$Yxy(76.6749, 0.2825, 0.4603)$

Have a look what the booklet for
Yxy(76.6749, 0.2825, 0.4603)
contains.

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Color

Yxy(76.6779, 0.2825, 0.4601)

Conversions

Conversions Part 1

Format	Color
Hex	66FF9A
RGB	102, 255, 154
RGB Percent	40%, 100%, 60%
CMY	0.5997, 0.0000, 0.3960
CMYK	0.60, 0.00, 0.40, 0.00
HSL	140°, 100%, 70%
HSV	140°, 60%, 100%
XYZ	47.0800, 76.6779, 42.8970
YIQ	197.7390, -58.7670, -63.8470

Conversions

Conversions Part 2

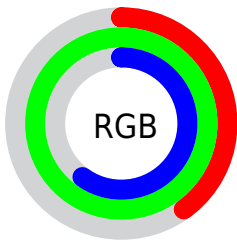
Format	Color
RYB	102, 216, 255
Decimal	6750106
CIELab	90.17, -62.03, 36.44
CIELCh	90, 71.942, 149.568
Yxy	76.6779, 0.2825, 0.4601
Android (android.graphics.Color)	4284940186 (0xFF66FF9A)
YUV	197.7390, -21.5633, -83.9631
Hunter-Lab	87.5659, -57.2695, 32.2510

Details

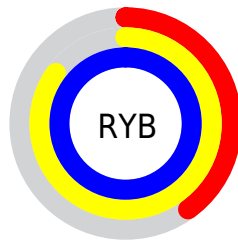
The Yxy color **76.6779, 0.2825, 0.4601** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.0932, 0.3731, 0.2306**, and the grayscale version is **56.4806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1228, 0.2852, 0.3821**, and **40.9700, 0.2720, 0.4949** is the 20% darker color. If you saturate the color by 10%, you get **74.8895, 0.2811, 0.4859**, and if you desaturate by 10%, it is **79.0094, 0.2855, 0.4343**.

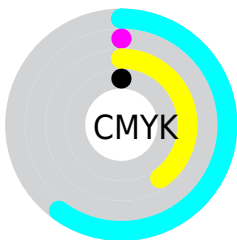
Distribution



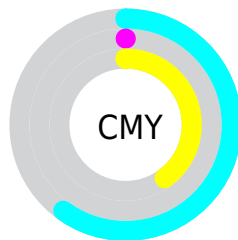
- Red (40%)
- Green (100%)
- Blue (60%)



- Red (40%)
- Yellow (85%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6779, 0.2825, 0.4601 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 76.6779, 0.2825, 0.4601 by changing the saturation by 10% instead.


 76.6779, 0.2825,
0.4601


 76.6779, 0.2825,
0.4601


483.6651, 0.2990,
0.3953


 56.9886, 0.2781,
0.4758


 128.6847, 0.2887,
0.4368

 40.9961, 0.2723,
0.4957


 161.7710, 0.2910,
0.4280

 28.3160, 0.2644,
0.5214


 200.0916, 0.2929,
0.4205

 18.5640, 0.2532,
0.5560

244.0311, 0.2945,
0.4141

 11.3557, 0.2363,
0.6041

293.9738, 0.2958,
0.4085

 6.3066, 0.2089,
0.6740


350.3041, 0.2970,


 3.0324, 0.1671,

0.4035

0.8329


413.4064, 0.2980,
0.3992

 1.1487, 0.0000,
1.0000


 0.0192, 0.0000,
1.0000


 76.6779, 0.2825,
0.4601


 76.6779, 0.2825,
0.4601


 74.8895, 0.2811,
0.4859

 79.0094, 0.2855,
0.4343


 73.5880, 0.2814,
0.5108


 81.9158, 0.2897,
0.4095

 72.7212, 0.2835,
0.5334

 85.4371, 0.2949,
0.3863

 72.2008, 0.2869,
0.5530

 89.6071, 0.3006,
0.3650

 72.1994, 0.2869,
0.5530

 94.4572, 0.3066,
0.3459

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



76.6779, 0.3628, 0.4863



76.6779, 0.2825, 0.4601



76.6779, 0.2149, 0.3776

Triad

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



76.6779, 0.2825, 0.4601



76.6779, 0.1937, 0.2045



76.6779, 0.4706, 0.3371

Complementary

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



76.6779, 0.2825, 0.4601



35.0932, 0.3731, 0.2306

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.



76.6779, 0.4124, 0.2800



76.6779, 0.2825, 0.4601



76.6779, 0.2467, 0.2075

Square

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



76.6779, 0.2825, 0.4601



76.6779, 0.1702, 0.2297



76.6779, 0.3260, 0.2343



76.6779, 0.4764, 0.3983

Rectangle

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



76.6779, 0.2825, 0.4601



76.6779, 0.1856, 0.3159



76.6779, 0.3260, 0.2343



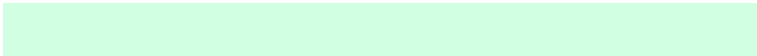
76.6779, 0.4564, 0.3173

Sweetspot

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



76.6810, 0.2825, 0.4601



90.5092, 0.3018, 0.3611



85.3196, 0.3622, 0.4900



19.0899, 0.3000, 0.3670



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.



76.6810, 0.2825, 0.4601



74.5892, 0.2810, 0.4911



80.0331, 0.2492, 0.3597



20.2700, 0.3069, 0.3451



37.7519, 0.2861, 0.5500



3.6952, 0.2798, 0.5273

Inverse Universe

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



35.0932, 0.3731, 0.2306



29.6519, 0.3907, 0.2181



32.3256, 0.4701, 0.3047



18.1894, 0.3190, 0.3134



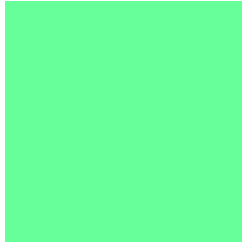
12.6228, 0.4301, 0.2143



1.2495, 0.4144, 0.2057

Previews

White Background



This preview shows how the Yxy color 76.6779, 0.2825, 0.4601 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 76.6779, 0.2825, 0.4601 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 76.6779, 0.2825, 0.4601

Background



This preview shows how black text looks on a background with the Yxy color 76.6779, 0.2825, 0.4601.

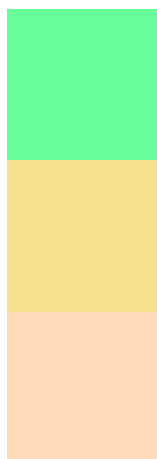


This preview shows how white text looks on a background with the Yxy color 76.6779, 0.2825, 0.4601.

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

76.6779, 0.2825, 0.4601

Protanopia

75.2159, 0.3835, 0.4153

Deuteranopia

74.8635, 0.3645, 0.3640



Tritanopia

76.1211, 0.2565, 0.3108

Trichromacy



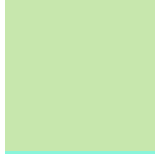
Original Color

76.6779, 0.2825, 0.4601



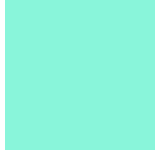
Protanomaly

73.4037, 0.3385, 0.4345



Deuteranomaly

72.3111, 0.3273, 0.3966



Tritanomaly

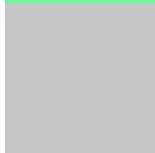
75.6851, 0.2657, 0.3616

Monochromacy



Original Color

76.6779, 0.2825, 0.4601



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.8270, 0.2975, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6779, 0.2825, 0.4601 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 154) }
```

Border

The CSS property to change the border of an element to Yxy 76.6779, 0.2825, 0.4601 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, 154) }
```

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

```
.border{ border-color:rgb(102, 255, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6779, 0.2825, 0.4601 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, 154) }
```

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

```
.background{ background-color: rgb(102,  
255, 154) }
```

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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