

Converting Colors

$Yxy(79.8247, 0.2887, 0.4763)$

Have a look what the booklet for
Yxy(79.8247, 0.2887, 0.4763)
contains.

Yxy(76.5978, 0.2884, 0.4727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.5978, 0.2884, 0.4727)

Conversions

Conversions Part 1

Format	Color
Hex	6AFF90
RGB	106, 255, 144
RGB Percent	42%, 100%, 56%
CMY	0.5845, 0.0000, 0.4352
CMYK	0.58, 0.00, 0.44, 0.00
HSL	135°, 100%, 71%
HSV	135°, 58%, 100%
XYZ	46.7332, 76.5978, 38.7121
YIQ	197.7950, -53.1730, -66.1090

Conversions

Conversions Part 2

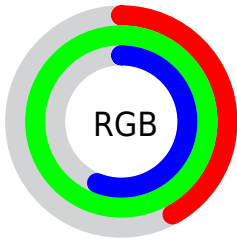
Format	Color
RYB	106, 225, 255
Decimal	7012240
CIELab	90.14, -62.85, 41.31
CIELCh	90, 75.205, 146.683
Yxy	76.5978, 0.2884, 0.4727
Android (android.graphics.Color)	4285202320 (0xFF6AFF90)
YUV	197.7950, -26.5209, -80.5042
Hunter-Lab	87.5202, -57.8464, 35.0388

Details

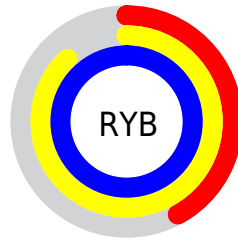
The Yxy color **76.5978, 0.2884, 0.4727** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.5617, 0.3570, 0.2216**, and the grayscale version is **56.5184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9684, 0.2919, 0.3939**, and **40.9248, 0.2787, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **74.7261, 0.2871, 0.5011**, and if you desaturate by 10%, it is **79.0250, 0.2910, 0.4440**.

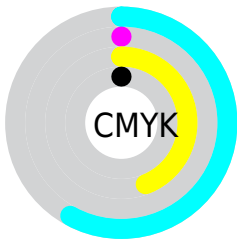
Distribution



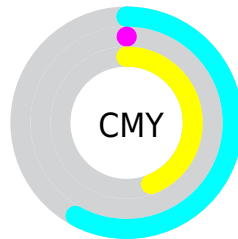
- Red (42%)
- Green (100%)
- Blue (56%)



- Red (42%)
- Yellow (88%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5978, 0.2884, 0.4727 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 76.5978, 0.2884, 0.4727 by changing the saturation by 10% instead.


 76.5978, 0.2884,
0.4727


 76.5978, 0.2884,
0.4727


483.3916, 0.3027,
0.4015


 56.9228, 0.2843,
0.4899


 128.5716, 0.2940,
0.4472

 40.9433, 0.2788,
0.5117


 161.6392, 0.2960,
0.4375

 28.2748, 0.2711,
0.5397


 199.9398, 0.2976,
0.4292

 18.5329, 0.2599,
0.5771


243.8578, 0.2990,
0.4221

 11.3332, 0.2424,
0.6287

293.7776, 0.3001,
0.4160

 6.2914, 0.2138,
0.7030


350.0835, 0.3011,


 3.0231, 0.1620,


0.4106


0.8380


413.1601, 0.3020,
0.4058


 1.1438, 0.0000,
1.0000


 0.0151, 0.0000,
1.0000


 76.5978, 0.2884,
0.4727

 76.5978, 0.2884,
0.4727

 74.7261, 0.2871,
0.5011


 79.0250, 0.2910,
0.4440

 73.3720, 0.2873,
0.5278


 82.0590, 0.2946,
0.4162


 72.4767, 0.2890,
0.5512

 85.7347, 0.2989,
0.3901

 71.9636, 0.2919,
0.5700

 90.0865, 0.3037,
0.3664

 71.9032, 0.2924,
0.5725

 95.1468, 0.3086,
0.3451

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.



76.5978, 0.3718, 0.4924



76.5978, 0.2884, 0.4727



76.5978, 0.2162, 0.3894

Triad

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



76.5978, 0.2884, 0.4727



76.5978, 0.1855, 0.2009



76.5978, 0.4741, 0.3307

Complementary

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



76.5978, 0.2884, 0.4727



36.5617, 0.3570, 0.2216

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.



76.5978, 0.4088, 0.2726



76.5978, 0.2884, 0.4727



76.5978, 0.2373, 0.2016

Square

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



76.5978, 0.2884, 0.4727



76.5978, 0.1643, 0.2296



76.5978, 0.3176, 0.2271



76.5978, 0.4850, 0.3937

Rectangle

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



76.5978, 0.2884, 0.4727



76.5978, 0.1840, 0.3236



76.5978, 0.3176, 0.2271



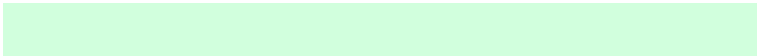
76.5978, 0.4576, 0.3105

Sweetspot

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



76.5946, 0.2884, 0.4727



90.3010, 0.3039, 0.3653



87.4240, 0.3701, 0.4815



19.0397, 0.3025, 0.3720



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.



76.5946, 0.2884, 0.4727



74.4845, 0.2870, 0.5054



79.6286, 0.2555, 0.3745



20.2443, 0.3080, 0.3472



37.5912, 0.2916, 0.5699



3.6769, 0.2857, 0.5486

Inverse Universe

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



36.5617, 0.3570, 0.2216



31.1216, 0.3689, 0.2072



33.5453, 0.4476, 0.2924



18.2164, 0.3177, 0.3115



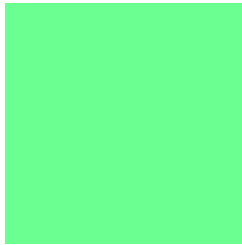
13.0738, 0.3984, 0.1969



1.2906, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 76.5978, 0.2884, 0.4727 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 76.5978, 0.2884, 0.4727 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 76.5978, 0.2884, 0.4727

Background



This preview shows how black text looks on a background with the Yxy color 76.5978, 0.2884, 0.4727.

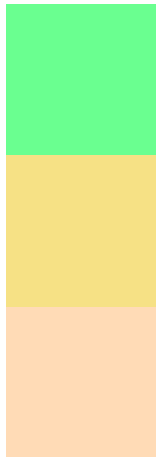


This preview shows how white text looks on a background with the Yxy color 76.5978, 0.2884, 0.4727.

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

76.5978, 0.2884, 0.4727

Protanopia

75.1367, 0.3900, 0.4237

Deuteranopia

75.3004, 0.3657, 0.3670



Tritanopia

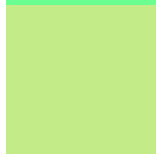
76.2221, 0.2570, 0.3108

Trichromacy



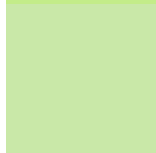
Original Color

76.5978, 0.2884, 0.4727



Protanomaly

73.3992, 0.3450, 0.4442



Deuteranomaly

72.9579, 0.3317, 0.4032



Tritanomaly

75.7001, 0.2681, 0.3653

Monochromacy



Original Color

76.5978, 0.2884, 0.4727



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.8767, 0.3013, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5978, 0.2884, 0.4727 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(106, 255, 144)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 144)  
}
```

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(106, 255, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 144) }
```

Border

The CSS property to change the border of an element to Yxy 76.5978, 0.2884, 0.4727 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(106, 255, 144) }
```

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

```
.border{ border-color:rgb(106, 255, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5978, 0.2884, 0.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 144) }
```

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

```
.background{ background-color: rgb(106,  
255, 144) }
```

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