

Converting Colors

$Yxy(76.1082, 0.2906, 0.4846)$

Have a look what the booklet for
Yxy(76.1082, 0.2906, 0.4846)
contains.

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Color

Yxy(76.0941, 0.2907, 0.4849)

Conversions

Conversions Part 1

Format	Color
Hex	66FF87
RGB	102, 255, 135
RGB Percent	40%, 100%, 53%
CMY	0.5998, 0.0000, 0.4705
CMYK	0.60, 0.00, 0.47, 0.00
HSL	133°, 100%, 70%
HSV	133°, 60%, 100%
XYZ	45.6188, 76.0941, 35.2145
YIQ	195.5730, -52.6680, -69.7560

Conversions

Conversions Part 2

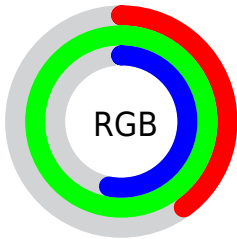
Format	Color
RYB	102, 228, 255
Decimal	6750087
CIELab	89.90, -65.00, 45.31
CIELCh	90, 79.235, 145.123
Yxy	76.0941, 0.2907, 0.4849
Android (android.graphics.Color)	4284940167 (0xFF66FF87)
YUV	195.5730, -29.8625, -82.0635
Hunter-Lab	87.2319, -59.3075, 37.1277

Details

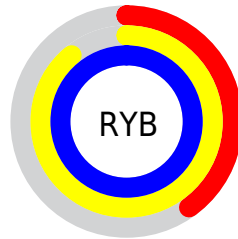
The Yxy color **76.0941, 0.2907, 0.4849** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.0490, 0.3519, 0.2143**, and the grayscale version is **55.1503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2370, 0.2949, 0.4052**, and **40.5998, 0.2810, 0.5281** is the 20% darker color. If you saturate the color by 10%, you get **74.3169, 0.2897, 0.5141**, and if you desaturate by 10%, it is **78.4416, 0.2929, 0.4548**.

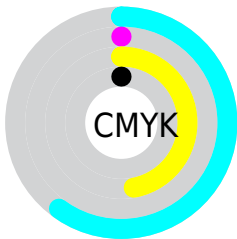
Distribution



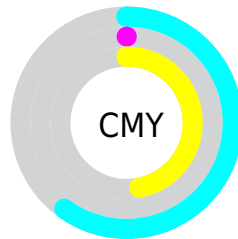
- Red (40%)
- Green (100%)
- Blue (53%)



- Red (40%)
- Yellow (89%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0941, 0.2907, 0.4849 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 76.0941, 0.2907, 0.4849 by changing the saturation by 10% instead.


 76.0941, 0.2907,
0.4849


 76.0941, 0.2907,
0.4849


481.6698, 0.3045,
0.4075


 56.5097, 0.2865,
0.5036


 127.8599, 0.2963,
0.4571

 40.6117, 0.2808,
0.5272


 160.8101, 0.2982,
0.4466

 28.0158, 0.2727,
0.5576


 198.9843, 0.2998,
0.4376

 18.3376, 0.2606,
0.5979

242.7669, 0.3011,
0.4299

 11.1926, 0.2416,
0.6527

292.5424, 0.3022,
0.4232

 6.1965, 0.2119,
0.7362


348.6951, 0.3031,

 2.9650, 0.1461,


0.4173


0.8539


411.6094, 0.3039,
0.4121

 1.1135, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.0941, 0.2907,
0.4849

 76.0941, 0.2907,
0.4849


 74.3169, 0.2897,
0.5141

 78.4416, 0.2929,
0.4548

 73.0510, 0.2901,
0.5407

 81.3933, 0.2961,
0.4254


 72.2412, 0.2918,
0.5630

 84.9918, 0.2999,
0.3976

 71.7954, 0.2944,
0.5799

 89.2727, 0.3040,
0.3721

 71.7946, 0.2944,
0.5800

 94.2692, 0.3084,
0.3492

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



76.0941, 0.3779, 0.5002



76.0941, 0.2907, 0.4849



76.0941, 0.2142, 0.3983

Triad

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



76.0941, 0.2907, 0.4849



76.0941, 0.1779, 0.1957



76.0941, 0.4807, 0.3264

Complementary

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



76.0941, 0.2907, 0.4849



36.0490, 0.3519, 0.2143

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.



76.0941, 0.4093, 0.2668



76.0941, 0.2907, 0.4849



76.0941, 0.2298, 0.1954

Square

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



76.0941, 0.2907, 0.4849



76.0941, 0.1575, 0.2268



76.0941, 0.3125, 0.2205



76.0941, 0.4945, 0.3916

Rectangle

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



76.0941, 0.2907, 0.4849



76.0941, 0.1797, 0.3278



76.0941, 0.3125, 0.2205



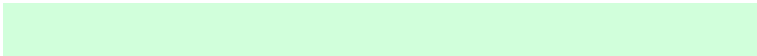
76.0941, 0.4623, 0.3056

Sweetspot

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



76.0972, 0.2907, 0.4849



90.2041, 0.3049, 0.3674



88.3924, 0.3763, 0.4819



19.0165, 0.3036, 0.3744



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.



76.0972, 0.2907, 0.4849



74.0221, 0.2897, 0.5197



78.9563, 0.2579, 0.3859



20.2323, 0.3086, 0.3482



37.5325, 0.2938, 0.5776



3.6697, 0.2882, 0.5576

Inverse Universe

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



36.0490, 0.3519, 0.2143



30.7453, 0.3622, 0.1995



32.9098, 0.4430, 0.2840



18.2294, 0.3171, 0.3105



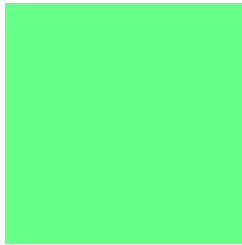
13.3114, 0.3845, 0.1892



1.3120, 0.3757, 0.1844

Previews

White Background



This preview shows how the Yxy color 76.0941, 0.2907, 0.4849 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 76.0941, 0.2907, 0.4849 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 76.0941, 0.2907, 0.4849

Background



This preview shows how black text looks on a background with the Yxy color 76.0941, 0.2907, 0.4849.

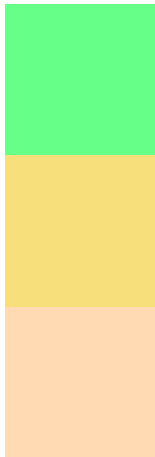


This preview shows how white text looks on a background with the Yxy color 76.0941, 0.2907, 0.4849.

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

76.0941, 0.2907, 0.4849

Protanopia

74.5407, 0.3968, 0.4308

Deuteranopia

74.6172, 0.3688, 0.3702



Tritanopia

75.2391, 0.2549, 0.3096

Trichromacy



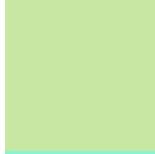
Original Color

76.0941, 0.2907, 0.4849



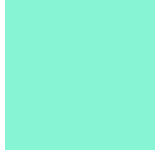
Protanomaly

72.4445, 0.3496, 0.4535



Deuteranomaly

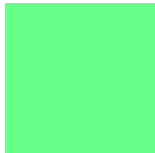
71.9026, 0.3341, 0.4096



Tritanomaly

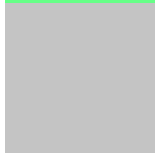
74.5554, 0.2681, 0.3694

Monochromacy



Original Color

76.0941, 0.2907, 0.4849



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.3631, 0.3018, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0941, 0.2907, 0.4849 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 135) }
```

Border

The CSS property to change the border of an element to Yxy 76.0941, 0.2907, 0.4849 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, 135) }
```

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

```
.border{ border-color:rgb(102, 255, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0941, 0.2907, 0.4849 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, 135) }
```

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

```
.background{ background-color: rgb(102,  
255, 135) }
```

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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