

Converting Colors

Yxy(76.4682, 0.2853, 0.4687)

Have a look what the booklet for
Yxy(76.4682, 0.2853, 0.4687)
contains.

Yxy(76.4829, 0.2851, 0.4681)	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(76.4829, 0.2851, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	66FF94
RGB	102, 255, 148
RGB Percent	40%, 100%, 58%
CMY	0.6001, 0.0000, 0.4196
CMYK	0.60, 0.00, 0.42, 0.00
HSL	138°, 100%, 70%
HSV	138°, 60%, 100%
XYZ	46.5825, 76.4829, 40.3247
YIQ	197.0550, -56.8410, -65.7130

Conversions

Conversions Part 2

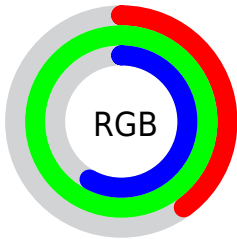
Format	Color
RYB	102, 220, 255
Decimal	6750100
CIELab	90.08, -63.04, 39.28
CIELCh	90, 74.275, 148.076
Yxy	76.4829, 0.2851, 0.4681
Android (android.graphics.Color)	4284940180 (0xFF66FF94)
YUV	197.0550, -24.1841, -83.3632
Hunter-Lab	87.4545, -57.9676, 33.8799

Details

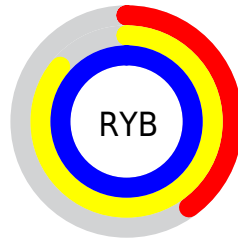
The Yxy color **76.4829, 0.2851, 0.4681** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.3598, 0.3663, 0.2253**, and the grayscale version is **56.0392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8311, 0.2882, 0.3894**, and **40.8552, 0.2749, 0.5052** is the 20% darker color. If you saturate the color by 10%, you get **74.6924, 0.2838, 0.4951**, and if you desaturate by 10%, it is **78.8156, 0.2878, 0.4409**.

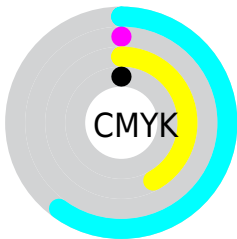
Distribution



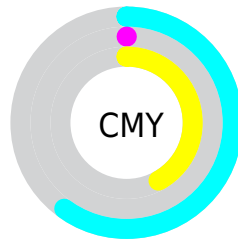
- Red (40%)
- Green (100%)
- Blue (58%)



- Red (40%)
- Yellow (86%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4829, 0.2851, 0.4681 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 76.4829, 0.2851, 0.4681 by changing the saturation by 10% instead.


 76.4829, 0.2851,
0.4681

 76.4829, 0.2851,
0.4681


482.9992, 0.3007,
0.3992


 56.8286, 0.2808,
0.4848


 128.4093, 0.2911,
0.4434

 40.8676, 0.2750,
0.5059


 161.4501, 0.2933,
0.4340

 28.2157, 0.2671,
0.5332


 199.7219, 0.2951,
0.4260

 18.4883, 0.2557,
0.5698

243.6091, 0.2966,
0.4191

 11.3011, 0.2382,
0.6204

293.4960, 0.2978,
0.4132

 6.2698, 0.2096,
0.6931


349.7670, 0.2989,


 3.0098, 0.1602,


0.4079


0.8398


412.8066, 0.2999,
0.4033


 1.1368, 0.0000,
1.0000

 0.0092, 0.0000,
1.0000


 76.4829, 0.2851,
0.4681


 76.4829, 0.2851,
0.4681


 74.6924, 0.2838,
0.4951


 78.8156, 0.2878,
0.4409

 73.4007, 0.2843,
0.5207


 81.7364, 0.2917,
0.4146

 72.5502, 0.2863,
0.5436

 85.2815, 0.2964,
0.3899

 72.0516, 0.2896,
0.5626

 89.4853, 0.3016,
0.3673

 94.3796, 0.3071,
0.3470

99.9941, 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.



76.4829, 0.3677, 0.4911



76.4829, 0.2851, 0.4681



76.4829, 0.2146, 0.3841

Triad

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



76.4829, 0.2851, 0.4681



76.4829, 0.1885, 0.2016



76.4829, 0.4740, 0.3337

Complementary

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



76.4829, 0.2851, 0.4681



35.3598, 0.3663, 0.2253

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.



76.4829, 0.4116, 0.2757



76.4829, 0.2851, 0.4681



76.4829, 0.2412, 0.2035

Square

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



76.4829, 0.2851, 0.4681



76.4829, 0.1660, 0.2287



76.4829, 0.3218, 0.2298



76.4829, 0.4823, 0.3963

Rectangle

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



76.4829, 0.2851, 0.4681



76.4829, 0.1836, 0.3196



76.4829, 0.3218, 0.2298



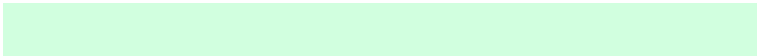
76.4829, 0.4585, 0.3136

Sweetspot

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



76.4815, 0.2851, 0.4681



90.4126, 0.3027, 0.3631



86.0476, 0.3657, 0.4881



19.0666, 0.3012, 0.3693



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.



76.4815, 0.2851, 0.4681



74.3973, 0.2838, 0.5004



79.7466, 0.2514, 0.3661



20.2581, 0.3074, 0.3461



37.6714, 0.2888, 0.5598



3.6863, 0.2826, 0.5375

Inverse Universe

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



35.3598, 0.3663, 0.2253



29.9771, 0.3815, 0.2121



32.4396, 0.4635, 0.2996



18.2018, 0.3184, 0.3125



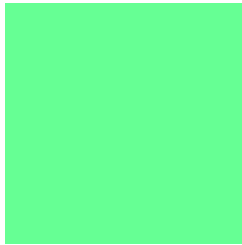
12.8223, 0.4152, 0.2061



1.2678, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 76.4829, 0.2851, 0.4681 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 76.4829, 0.2851, 0.4681 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 76.4829, 0.2851, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 76.4829, 0.2851, 0.4681.

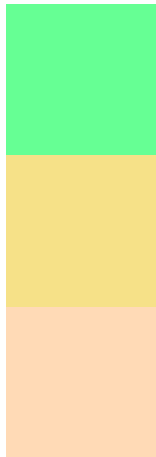


This preview shows how white text looks on a background with the Yxy color 76.4829, 0.2851, 0.4681.

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

76.4829, 0.2851, 0.4681

Protanopia

75.2208, 0.3881, 0.4208

Deuteranopia

74.7802, 0.3659, 0.3661



Tritanopia

76.0209, 0.2560, 0.3108

Trichromacy



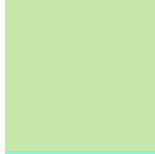
Original Color

76.4829, 0.2851, 0.4681



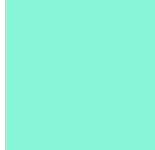
Protanomaly

73.3537, 0.3426, 0.4411



Deuteranomaly

72.1962, 0.3292, 0.4002



Tritanomaly

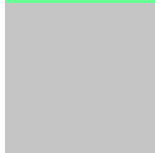
75.4969, 0.2662, 0.3641

Monochromacy



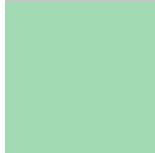
Original Color

76.4829, 0.2851, 0.4681



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.0789, 0.2986, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4829, 0.2851, 0.4681 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 76.4829, 0.2851, 0.4681 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, 148) }
```

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

```
.border{ border-color:rgb(102, 255, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4829, 0.2851, 0.4681 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, 148) }
```

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

```
.background{ background-color: rgb(102,  
255, 148) }
```

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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