

Converting Colors

Yxy(76.1460, 0.2899, 0.4826)

Have a look what the booklet for
Yxy(76.1460, 0.2899, 0.4826)
contains.

Yxy(76.1509, 0.2898, 0.4824)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.1509, 0.2898, 0.4824)

Conversions

Conversions Part 1

Format	Color
Hex	66FF89
RGB	102, 255, 137
RGB Percent	40%, 100%, 54%
CMY	0.6004, 0.0000, 0.4627
CMYK	0.60, 0.00, 0.46, 0.00
HSL	134°, 100%, 70%
HSV	134°, 60%, 100%
XYZ	45.7474, 76.1509, 35.9601
YIQ	195.8010, -53.3100, -69.1340

Conversions

Conversions Part 2

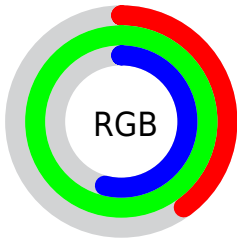
Format	Color
RYB	102, 227, 255
Decimal	6750089
CIELab	89.93, -64.75, 44.39
CIELCh	90, 78.505, 145.566
Yxy	76.1509, 0.2898, 0.4824
Android (android.graphics.Color)	4284940169 (0xFF66FF89)
YUV	195.8010, -28.9889, -82.2635
Hunter-Lab	87.2645, -59.1363, 36.6528

Details

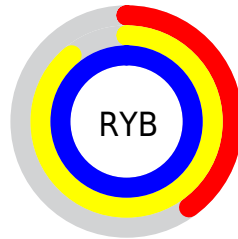
The Yxy color **76.1509, 0.2898, 0.4824** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.9047, 0.3542, 0.2160**, and the grayscale version is **55.2597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3251, 0.2939, 0.4028**, and **40.6529, 0.2798, 0.5233** is the 20% darker color. If you saturate the color by 10%, you get **74.3661, 0.2888, 0.5113**, and if you desaturate by 10%, it is **78.4860, 0.2921, 0.4528**.

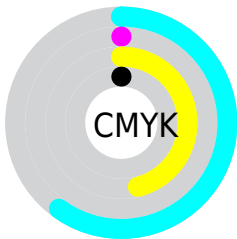
Distribution



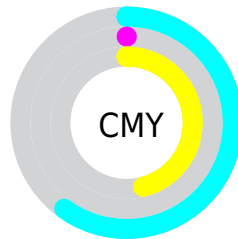
- Red (40%)
- Green (100%)
- Blue (54%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1509, 0.2898, 0.4824 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 76.1509, 0.2898, 0.4824 by changing the saturation by 10% instead.

 76.1509, 0.2898,
0.4824


 76.1509, 0.2898,
0.4824


481.8641, 0.3039,
0.4062


 56.5563, 0.2856,
0.5009


 127.9402, 0.2955,
0.4551

 40.6491, 0.2799,
0.5241


 160.9036, 0.2974,
0.4447

 28.0450, 0.2718,
0.5540

 199.0921, 0.2991,
0.4359

 18.3596, 0.2598,
0.5938


242.8900, 0.3004,
0.4283

 11.2084, 0.2410,
0.6481

292.6818, 0.3015,
0.4217

 6.2072, 0.2113,
0.7295


348.8518, 0.3024,

 2.9715, 0.1481,


0.4159


0.8519


411.7844, 0.3032,
0.4108


 1.1169, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 76.1509, 0.2898,
0.4824


 76.1509, 0.2898,
0.4824


 74.3661, 0.2888,
0.5113


 78.4860, 0.2921,
0.4528


 73.0978, 0.2892,
0.5378


 81.4301, 0.2953,
0.4238

 72.2828, 0.2910,
0.5602

 85.0169, 0.2993,
0.3965

 71.8305, 0.2938,
0.5775

 89.2820, 0.3036,
0.3715

 94.2583, 0.3082,
0.3490

99.9767, 0.3127,
0.3291

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.



76.1509, 0.3763, 0.4990



76.1509, 0.2898, 0.4824



76.1509, 0.2142, 0.3961

Triad

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



76.1509, 0.2898, 0.4824



76.1509, 0.1795, 0.1966



76.1509, 0.4798, 0.3275

Complementary

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



76.1509, 0.2898, 0.4824



35.9047, 0.3542, 0.2160

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.



76.1509, 0.4097, 0.2682



76.1509, 0.2898, 0.4824



76.1509, 0.2315, 0.1965

Square

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



76.1509, 0.2898, 0.4824



76.1509, 0.1587, 0.2270



76.1509, 0.3140, 0.2219



76.1509, 0.4927, 0.3924

Rectangle

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



76.1509, 0.2898, 0.4824



76.1509, 0.1803, 0.3265



76.1509, 0.3140, 0.2219



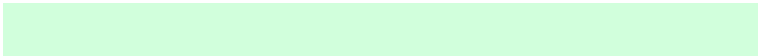
76.1509, 0.4619, 0.3068

Sweetspot

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



76.1458, 0.2898, 0.4824



90.2375, 0.3045, 0.3667



87.9800, 0.3746, 0.4830



19.0245, 0.3032, 0.3735



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.



76.1458, 0.2898, 0.4824



74.0786, 0.2888, 0.5167



79.0735, 0.2568, 0.3827



20.2364, 0.3084, 0.3478



37.5516, 0.2931, 0.5751



3.6721, 0.2874, 0.5546

Inverse Universe

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



35.9047, 0.3542, 0.2160



30.6159, 0.3653, 0.2014



32.7966, 0.4466, 0.2866



18.2249, 0.3173, 0.3109



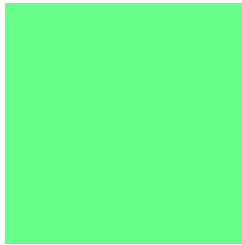
13.2274, 0.3892, 0.1918



1.3045, 0.3798, 0.1866

Previews

White Background



This preview shows how the Yxy color 76.1509, 0.2898, 0.4824 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 76.1509, 0.2898, 0.4824 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 76.1509, 0.2898, 0.4824

Background



This preview shows how black text looks on a background with the Yxy color 76.1509, 0.2898, 0.4824.

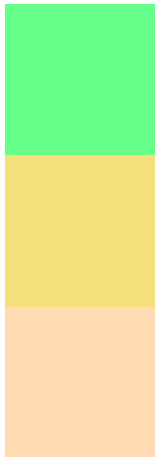


This preview shows how white text looks on a background with the Yxy color 76.1509, 0.2898, 0.4824.

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

76.1509, 0.2898, 0.4824

Protanopia

74.4105, 0.3948, 0.4293

Deuteranopia

74.6172, 0.3688, 0.3702



Tritanopia

75.2391, 0.2549, 0.3096

Trichromacy



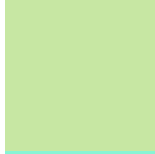
Original Color

76.1509, 0.2898, 0.4824



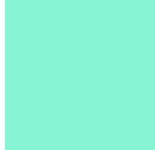
Protanomaly

72.4977, 0.3485, 0.4513



Deuteranomaly

71.9383, 0.3335, 0.4085



Tritanomaly

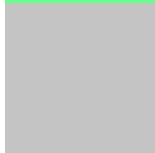
74.6057, 0.2676, 0.3681

Monochromacy



Original Color

76.1509, 0.2898, 0.4824



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.4022, 0.3011, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1509, 0.2898, 0.4824 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 137) }
```

Border

The CSS property to change the border of an element to Yxy 76.1509, 0.2898, 0.4824 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, 137) }
```

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

```
.border{ border-color:rgb(102, 255, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1509, 0.2898, 0.4824 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, 137) }
```

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

```
.background{ background-color: rgb(102,  
255, 137) }
```

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