

Converting Colors

$Yxy(76.9006, 0.2868, 0.4650)$

Have a look what the booklet for
Yxy(76.9006, 0.2868, 0.4650)
contains.

Yxy(76.9102, 0.2866, 0.4646)	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(76.9102, 0.2866, 0.4646)

Conversions

Conversions Part 1

Format	Color
Hex	6CFF96
RGB	108, 255, 150
RGB Percent	42%, 100%, 59%
CMY	0.5766, 0.0000, 0.4119
CMYK	0.58, 0.00, 0.41, 0.00
HSL	137°, 100%, 71%
HSV	137°, 58%, 100%
XYZ	47.4440, 76.9102, 41.1865
YIQ	199.0770, -53.9070, -63.8190

Conversions

Conversions Part 2

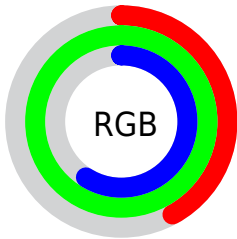
Format	Color
RYB	108, 222, 255
Decimal	7143318
CIELab	90.28, -61.48, 38.60
CIELCh	90, 72.589, 147.876
Yxy	76.9102, 0.2866, 0.4646
Android (android.graphics.Color)	4285333398 (0xFF6CFF96)
YUV	199.0770, -24.1950, -79.8745
Hunter-Lab	87.6985, -56.9057, 33.5441

Details

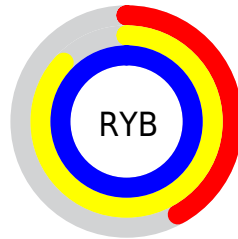
The Yxy color **76.9102, 0.2866, 0.4646** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.7807, 0.3610, 0.2266**, and the grayscale version is **57.3289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4738, 0.2899, 0.3865**, and **41.1057, 0.2768, 0.5005** is the 20% darker color. If you saturate the color by 10%, you get **74.9940, 0.2851, 0.4922**, and if you desaturate by 10%, it is **79.3784, 0.2895, 0.4370**.

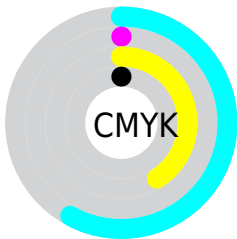
Distribution



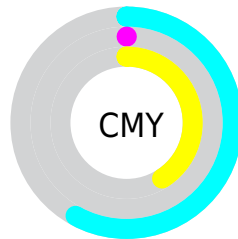
- Red (42%)
- Green (100%)
- Blue (59%)



- Red (42%)
- Yellow (87%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9102, 0.2866, 0.4646 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 76.9102, 0.2866, 0.4646 by changing the saturation by 10% instead.


 76.9102, 0.2866,
0.4646


 76.9102, 0.2866,
0.4646


484.4578, 0.3014,
0.3976


 57.1792, 0.2825,
0.4808


 129.0127, 0.2923,
0.4406

 41.1491, 0.2771,
0.5013


 162.1530, 0.2943,
0.4315

 28.4356, 0.2696,
0.5278


 200.5318, 0.2960,
0.4237

 18.6543, 0.2588,
0.5632

244.5336, 0.2974,
0.4170

 11.4207, 0.2422,
0.6123

294.5426, 0.2986,
0.4112

 6.3506, 0.2149,
0.6828


350.9434, 0.2997,


 3.0594, 0.1715,


0.4061


0.8285


414.1204, 0.3006,
0.4016

 1.1628, 0.0000,
1.0000


 0.0310, 0.0000,
1.0000


 76.9102, 0.2866,
0.4646


 76.9102, 0.2866,
0.4646


 74.9940, 0.2851,
0.4922


 79.3784, 0.2895,
0.4370

 73.5933, 0.2851,
0.5186


 82.4494, 0.2935,
0.4104


 72.6508, 0.2868,
0.5423

 86.1568, 0.2982,
0.3857

 72.0960, 0.2898,
0.5620

 90.5347, 0.3033,
0.3631

 71.9992, 0.2906,
0.5661

 95.6146, 0.3086,
0.3429

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.



76.9102, 0.3675, 0.4870



76.9102, 0.2866, 0.4646



76.9102, 0.2173, 0.3834

Triad

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



76.9102, 0.2866, 0.4646



76.9102, 0.1908, 0.2043



76.9102, 0.4699, 0.3336

Complementary

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



76.9102, 0.2866, 0.4646



36.7807, 0.3610, 0.2266

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.



76.9102, 0.4087, 0.2766



76.9102, 0.2866, 0.4646



76.9102, 0.2425, 0.2059

Square

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



76.9102, 0.2866, 0.4646



76.9102, 0.1688, 0.2313



76.9102, 0.3211, 0.2315



76.9102, 0.4787, 0.3951

Rectangle

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



76.9102, 0.2866, 0.4646



76.9102, 0.1867, 0.3207



76.9102, 0.3211, 0.2315



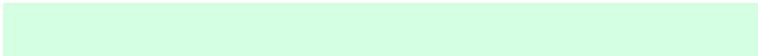
76.9102, 0.4546, 0.3138

Sweetspot

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



76.9070, 0.2866, 0.4646



90.8489, 0.3036, 0.3617



86.7989, 0.3662, 0.4815



19.2433, 0.3026, 0.3660



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.



76.9070, 0.2866, 0.4646



74.7780, 0.2850, 0.4959



80.0412, 0.2538, 0.3676



20.2535, 0.3076, 0.3464



37.6432, 0.2898, 0.5633



3.6830, 0.2837, 0.5413

Inverse Universe

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



36.7807, 0.3610, 0.2266



31.2538, 0.3743, 0.2126



33.8654, 0.4511, 0.2977



18.2067, 0.3182, 0.3122



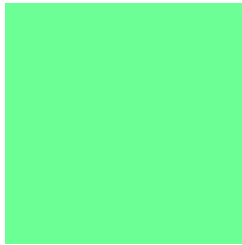
12.9037, 0.4095, 0.2030



1.2752, 0.3970, 0.1961

Previews

White Background



This preview shows how the Yxy color 76.9102, 0.2866, 0.4646 looks on a white background.

Color Contrast Check

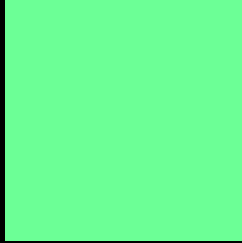
Large Text (above 18pt) WCAG AA × Fail

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 76.9102, 0.2866, 0.4646 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 76.9102, 0.2866, 0.4646

Background



This preview shows how black text looks on a background with the Yxy color 76.9102, 0.2866, 0.4646.

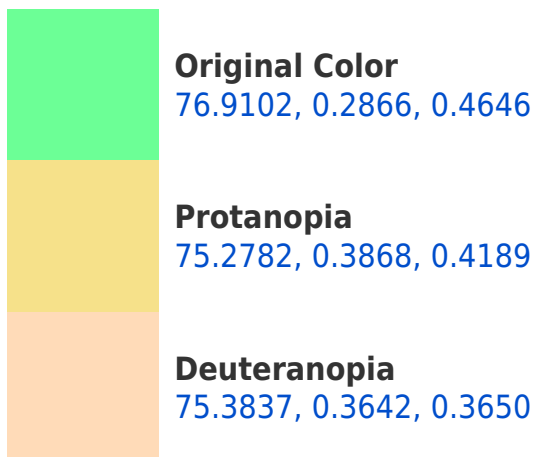


This preview shows how white text looks on a background with the Yxy color 76.9102, 0.2866, 0.4646.

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





Tritanopia

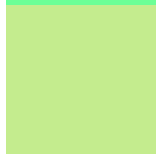
76.4266, 0.2579, 0.3109

Trichromacy



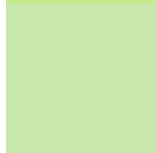
Original Color

76.9102, 0.2866, 0.4646



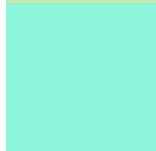
Protanomaly

73.6797, 0.3429, 0.4383



Deuteranomaly

73.2483, 0.3299, 0.3983



Tritanomaly

75.9773, 0.2681, 0.3627

Monochromacy



Original Color

76.9102, 0.2866, 0.4646



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1062, 0.3001, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9102, 0.2866, 0.4646 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(108, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 150)  
}
```

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(108, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 76.9102, 0.2866, 0.4646 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(108, 255, 150) }
```

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

```
.border{ border-color:rgb(108, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9102, 0.2866, 0.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 150) }
```

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

```
.background{ background-color: rgb(108,  
255, 150) }
```

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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