

Converting Colors

$Yxy(76.6069, 0.2835, 0.4632)$

Have a look what the booklet for
Yxy(76.6069, 0.2835, 0.4632)
contains.

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Color

Yxy(76.6118, 0.2834, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	66FF98
RGB	102, 255, 152
RGB Percent	40%, 100%, 60%
CMY	0.5996, 0.0000, 0.4040
CMYK	0.60, 0.00, 0.40, 0.00
HSL	140°, 100%, 70%
HSV	140°, 60%, 100%
XYZ	46.9140, 76.6118, 42.0140
YIQ	197.5110, -58.1250, -64.4690

Conversions

Conversions Part 2

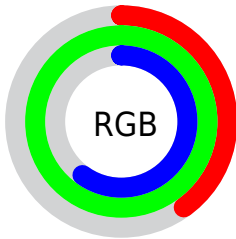
Format	Color
RYB	102, 217, 255
Decimal	6750104
CIELab	90.14, -62.37, 37.40
CIELCh	90, 72.720, 149.049
Yxy	76.6118, 0.2834, 0.4628
Android (android.graphics.Color)	4284940184 (0xFF66FF98)
YUV	197.5110, -22.4369, -83.7631
Hunter-Lab	87.5282, -57.5006, 32.8102

Details

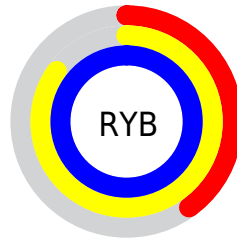
The Yxy color **76.6118, 0.2834, 0.4628** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.1942, 0.3707, 0.2288**, and the grayscale version is **56.3407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0243, 0.2862, 0.3845**, and **40.9308, 0.2730, 0.4984** is the 20% darker color. If you saturate the color by 10%, you get **74.8228, 0.2820, 0.4891**, and if you desaturate by 10%, it is **78.9467, 0.2863, 0.4365**.

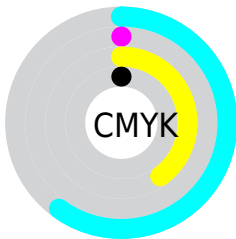
Distribution



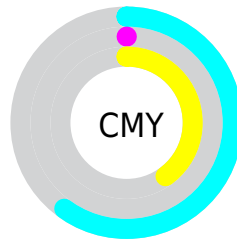
- Red (40%)
- Green (100%)
- Blue (60%)



- Red (40%)
- Yellow (85%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6118, 0.2834, 0.4628 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 76.6118, 0.2834, 0.4628 by changing the saturation by 10% instead.


 76.6118, 0.2834,
0.4628

 76.6118, 0.2834,
0.4628


483.4394, 0.2996,
0.3966

 56.9343, 0.2790,
0.4789


 128.5914, 0.2895,
0.4390

 40.9525, 0.2733,
0.4991


 161.6622, 0.2918,
0.4300

 28.2820, 0.2654,
0.5254


 199.9663, 0.2936,
0.4224

 18.5383, 0.2541,
0.5606

243.8881, 0.2952,
0.4158

 11.3372, 0.2370,
0.6096

293.8119, 0.2965,
0.4100

 6.2941, 0.2092,
0.6805


350.1221, 0.2977,


 3.0247, 0.1648,


0.4050


0.8352


413.2032, 0.2987,
0.4006

 1.1447, 0.0000,
1.0000


 0.0158, 0.0000,
1.0000

 76.6118, 0.2834,
0.4628


 76.6118, 0.2834,
0.4628


 74.8228, 0.2820,
0.4891

 78.9467, 0.2863,
0.4365


 73.5234, 0.2824,
0.5142


 81.8595, 0.2904,
0.4112


 72.6611, 0.2845,
0.5369

 85.3904, 0.2954,
0.3875

 72.1472, 0.2879,
0.5564

 89.5735, 0.3010,
0.3658

 72.1456, 0.2879,
0.5564

 94.4403, 0.3068,
0.3463

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



76.6118, 0.3644, 0.4879



76.6118, 0.2834, 0.4628



76.6118, 0.2148, 0.3798

Triad

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



76.6118, 0.2834, 0.4628



76.6118, 0.1919, 0.2035



76.6118, 0.4718, 0.3359

Complementary

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



76.6118, 0.2834, 0.4628



35.1942, 0.3707, 0.2288

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.



76.6118, 0.4121, 0.2786



76.6118, 0.2834, 0.4628



76.6118, 0.2449, 0.2061

Square

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



76.6118, 0.2834, 0.4628



76.6118, 0.1688, 0.2293



76.6118, 0.3246, 0.2327



76.6118, 0.4784, 0.3976

Rectangle

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



76.6118, 0.2834, 0.4628



76.6118, 0.1850, 0.3172



76.6118, 0.3246, 0.2327



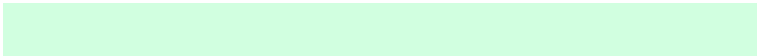
76.6118, 0.4571, 0.3160

Sweetspot

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



76.6149, 0.2834, 0.4628



90.4759, 0.3021, 0.3618



85.6839, 0.3640, 0.4890



19.0819, 0.3004, 0.3678



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.



76.6149, 0.2834, 0.4628



74.5218, 0.2820, 0.4943



79.8925, 0.2503, 0.3629



20.2659, 0.3071, 0.3454



37.7230, 0.2871, 0.5535



3.6921, 0.2808, 0.5309

Inverse Universe

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



35.1942, 0.3707, 0.2288



29.7618, 0.3875, 0.2160



32.3964, 0.4667, 0.3022



18.1936, 0.3188, 0.3131



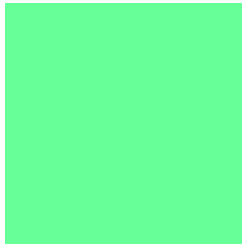
12.6897, 0.4249, 0.2115



1.2557, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 76.6118, 0.2834, 0.4628 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 76.6118, 0.2834, 0.4628 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 76.6118, 0.2834, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 76.6118, 0.2834, 0.4628.

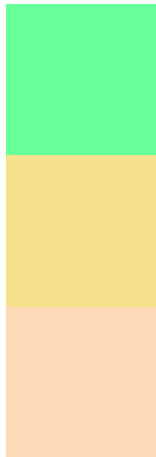


This preview shows how white text looks on a background with the Yxy color 76.6118, 0.2834, 0.4628.

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

76.6118, 0.2834, 0.4628

Protanopia

75.1564, 0.3848, 0.4172

Deuteranopia

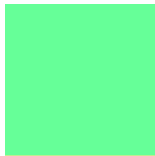
74.8635, 0.3645, 0.3640



Tritanopia

76.1211, 0.2565, 0.3108

Trichromacy



Original Color

76.6118, 0.2834, 0.4628



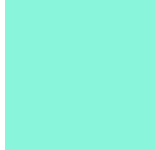
Protanomaly

73.3420, 0.3396, 0.4368



Deuteranomaly

72.2725, 0.3279, 0.3978



Tritanomaly

75.6851, 0.2657, 0.3616

Monochromacy



Original Color

76.6118, 0.2834, 0.4628



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.7858, 0.2981, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6118, 0.2834, 0.4628 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 152) }
```

Border

The CSS property to change the border of an element to Yxy 76.6118, 0.2834, 0.4628 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, 152) }
```

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

```
.border{ border-color:rgb(102, 255, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6118, 0.2834, 0.4628 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, 152) }
```

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

```
.background{ background-color: rgb(102,  
255, 152) }
```

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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