

Converting Colors

$Yxy(73.5327, 0.2760, 0.4763)$

Have a look what the booklet for
Yxy(73.5327, 0.2760, 0.4763)
contains.

Yxy(73.5294, 0.2759, 0.4760)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.5294, 0.2759, 0.4760)

Conversions

Conversions Part 1

Format	Color
Hex	45FD90
RGB	69, 253, 144
RGB Percent	27%, 99%, 56%
CMY	0.7289, 0.0079, 0.4354
CMYK	0.73, 0.00, 0.43, 0.01
HSL	144°, 98%, 63%
HSV	144°, 73%, 99%
XYZ	42.6192, 73.5294, 38.3249
YIQ	185.5580, -74.6750, -72.9070

Conversions

Conversions Part 2

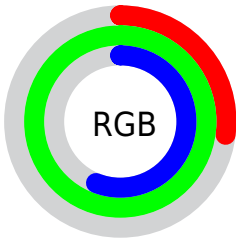
Format	Color
RYB	69, 200, 253
Decimal	4586896
CIELab	88.70, -68.59, 39.30
CIELCh	89, 79.054, 150.186
Yxy	73.5294, 0.2759, 0.4760
Android (android.graphics.Color)	4282776976 (0xFF45FD90)
YUV	185.5580, -20.4881, -102.2214
Hunter-Lab	85.7493, -61.3429, 33.5254

Details

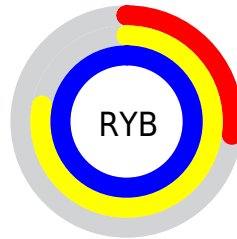
The Yxy color **73.5294, 0.2759, 0.4760** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **28.3748, 0.4086, 0.2287**, and the grayscale version is **49.0117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2190, 0.2777, 0.3965**, and **39.8029, 0.2752, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **72.3655, 0.2765, 0.4987**, and if you desaturate by 10%, it is **75.1544, 0.2772, 0.4525**.

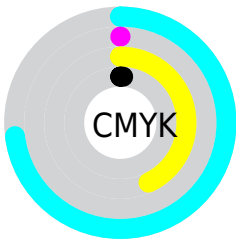
Distribution



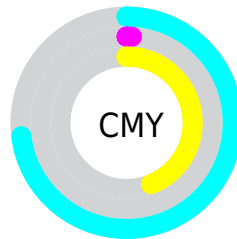
- Red (27%)
- Green (99%)
- Blue (56%)



- Red (27%)
- Yellow (78%)
- Blue (99%)



- Cyan (73%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)




- Cyan (73%)
- Magenta (1%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5294, 0.2759, 0.4760 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 73.5294, 0.2759, 0.4760 by changing the saturation by 10% instead.


 73.5294, 0.2759,
0.4760

 73.5294, 0.2759,
0.4760


472.8476, 0.2961,
0.4024


 54.4090, 0.2704,
0.4941


 124.2285, 0.2836,
0.4494


 38.9287, 0.2632,
0.5170


 156.5759, 0.2864,
0.4393

 26.7043, 0.2534,
0.5469


 194.1011, 0.2887,
0.4308

 17.3512, 0.2392,
0.5871

 237.1885, 0.2907,
0.4235

 10.4852, 0.2179,
0.6431

286.2224, 0.2923,
0.4172

 5.7219, 0.1842,
0.7256


341.5873, 0.2938,

 2.6767, 0.0987,

0.4116

0.9013


403.6676, 0.2950,
0.4067

 0.9654, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 73.5294, 0.2759,
0.4760


 73.5294, 0.2759,
0.4760

 72.3655, 0.2765,
0.4987


 75.1544, 0.2772,
0.4525

 71.5976, 0.2790,
0.5198

 77.2785, 0.2803,
0.4292

 71.2284, 0.2817,
0.5339

 79.9452, 0.2849,
0.4067

 83.1911, 0.2905,
0.3856

 87.0491, 0.2969,
0.3662

 91.5500, 0.3038,
0.3486

 96.7222, 0.3108,
0.3329

 98.7292, 0.3128,
0.3271

Harmonies

Analogous

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



73.5294, 0.3636, 0.5045



73.5294, 0.2759, 0.4760



73.5294, 0.2030, 0.3807

Triad

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



73.5294, 0.2759, 0.4760



73.5294, 0.1835, 0.1927



73.5294, 0.4890, 0.3370

Complementary

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



73.5294, 0.2759, 0.4760



28.3748, 0.4086, 0.2287

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.



73.5294, 0.4253, 0.2757



73.5294, 0.2759, 0.4760



73.5294, 0.2412, 0.1970

Square

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



73.5294, 0.2759, 0.4760



73.5294, 0.1577, 0.2181



73.5294, 0.3288, 0.2263



73.5294, 0.4922, 0.4031

Rectangle

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



73.5294, 0.2759, 0.4760



73.5294, 0.1725, 0.3110



73.5294, 0.3288, 0.2263



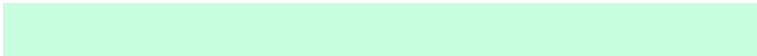
73.5294, 0.4739, 0.3158

Sweetspot

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



73.5324, 0.2759, 0.4760



88.9084, 0.2973, 0.3650



80.3181, 0.3577, 0.5233



18.7859, 0.2955, 0.3700



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.



73.5324, 0.2759, 0.4760



73.2876, 0.2773, 0.5082



77.4949, 0.2382, 0.3514



20.2908, 0.3060, 0.3434



37.9188, 0.2808, 0.5309



3.7130, 0.2745, 0.5084

Inverse Universe

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



28.3748, 0.4086, 0.2287



25.0611, 0.4361, 0.2251



25.8513, 0.5412, 0.3152



18.1679, 0.3201, 0.3150



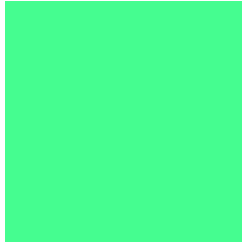
12.3099, 0.4574, 0.2293



1.2203, 0.4375, 0.2184

Previews

White Background



This preview shows how the Yxy color 73.5294, 0.2759, 0.4760 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 73.5294, 0.2759, 0.4760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

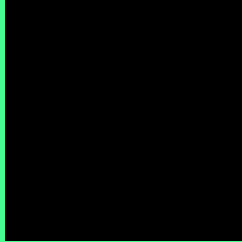
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.5294, 0.2759, 0.4760

Background



This preview shows how black text looks on a background with the Yxy color 73.5294, 0.2759, 0.4760.

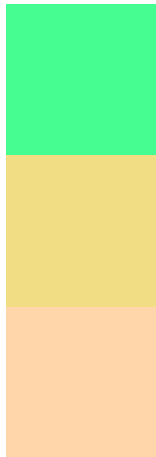


This preview shows how white text looks on a background with the Yxy color 73.5294, 0.2759, 0.4760.

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

73.5294, 0.2759, 0.4760

Protanopia

72.0796, 0.3886, 0.4224

Deuteranopia

71.7508, 0.3763, 0.3735



Tritanopia

73.1944, 0.2448, 0.3090

Trichromacy



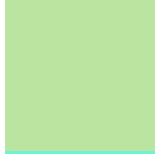
Original Color

73.5294, 0.2759, 0.4760



Protanomaly

69.6391, 0.3349, 0.4470



Deuteranomaly

68.6248, 0.3266, 0.4100



Tritanomaly

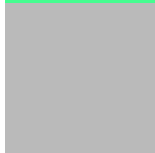
72.2587, 0.2551, 0.3641

Monochromacy



Original Color

73.5294, 0.2759, 0.4760



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.9628, 0.2914, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5294, 0.2759, 0.4760 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(69, 253, 144)` looks like.

```
.text, #text, p{  
    color:rgb(69, 253, 144)  
}
```

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(69, 253, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 253, 144) }
```

Border

The CSS property to change the border of an element to Yxy 73.5294, 0.2759, 0.4760 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(69, 253, 144) }
```

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

```
.border{ border-color:rgb(69, 253, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 253, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 253, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 253, 144);  
box-shadow:4px 4px 4px 4px rgb(69, 253,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5294, 0.2759, 0.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 253, 144) }
```

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

```
.background{ background-color: rgb(69, 253,  
144) }
```

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