

Converting Colors

$Yxy(73.9726, 0.2815, 0.5036)$

Have a look what the booklet for
Yxy(73.9726, 0.2815, 0.5036)
contains.

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Color

Yxy(73.9613, 0.2815, 0.5039)

Conversions

Conversions Part 1

Format	Color
Hex	3CFF7D
RGB	60, 255, 125
RGB Percent	24%, 100%, 49%
CMY	0.7653, 0.0000, 0.5098
CMYK	0.77, 0.00, 0.51, 0.00
HSL	140°, 100%, 62%
HSV	140°, 77%, 100%
XYZ	41.3179, 73.9613, 31.4985
YIQ	181.8750, -74.4900, -81.7700

Conversions

Conversions Part 2

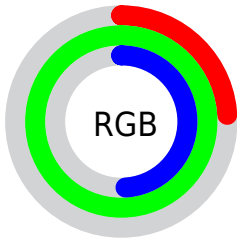
Format	Color
RYB	60, 206, 255
Decimal	3997565
CIELab	88.90, -73.41, 48.60
CIELCh	89, 88.036, 146.496
Yxy	73.9613, 0.2815, 0.5039
Android (android.graphics.Color)	4282187645 (0xFF3CFF7D)
YUV	181.8750, -28.0394, -106.8844
Hunter-Lab	86.0008, -64.7433, 38.4851

Details

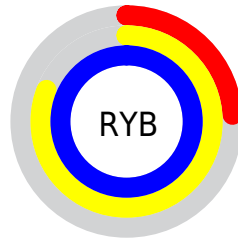
The Yxy color **73.9613, 0.2815, 0.5039** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **28.1870, 0.3960, 0.2141**, and the grayscale version is **46.8668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9662, 0.2846, 0.4215**, and **40.4004, 0.2843, 0.5434** is the 20% darker color. If you saturate the color by 10%, you get **72.9490, 0.2830, 0.5275**, and if you desaturate by 10%, it is **75.4202, 0.2818, 0.4784**.

Distribution



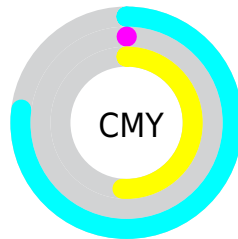
- Red (24%)
- Green (100%)
- Blue (49%)



- Red (24%)
- Yellow (81%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9613, 0.2815, 0.5039 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 73.9613, 0.2815, 0.5039 by changing the saturation by 10% instead.


 73.9613, 0.2815,
0.5039

 73.9613, 0.2815,
0.5039


474.3398, 0.3005,
0.4160


 54.7624, 0.2759,
0.5254


 124.8409, 0.2891,
0.4722


 39.2115, 0.2682,
0.5524


 157.2904, 0.2918,
0.4602

 26.9243, 0.2575,
0.5873


 194.9256, 0.2939,
0.4500

 17.5164, 0.2416,
0.6335

 238.1308, 0.2957,
0.4413

 10.6033, 0.2170,
0.6957

287.2904, 0.2972,
0.4337

 5.8008, 0.1830,
0.8050


342.7888, 0.2985,

 2.7243, 0.0675,


0.4270


0.9325


405.0105, 0.2996,
0.4212


 0.9896, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.9613, 0.2815,
0.5039


 73.9613, 0.2815,
0.5039


 72.9490, 0.2830,
0.5275


 75.4202, 0.2818,
0.4784

 72.3328, 0.2861,
0.5481


 77.3919, 0.2837,
0.4523


 72.1779, 0.2874,
0.5545

 79.9164, 0.2872,
0.4265

 83.0334, 0.2917,
0.4020

 86.7786, 0.2970,
0.3792

 91.1851, 0.3028,
0.3585

 96.2835, 0.3088,
0.3400

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.



73.9613, 0.3770, 0.5210



73.9613, 0.2815, 0.5039



73.9613, 0.1995, 0.4014

Triad

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



73.9613, 0.2815, 0.5039



73.9613, 0.1671, 0.1822



73.9613, 0.5027, 0.3267

Complementary

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



73.9613, 0.2815, 0.5039



28.1870, 0.3960, 0.2141

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.



73.9613, 0.4252, 0.2626



73.9613, 0.2815, 0.5039



73.9613, 0.2242, 0.1838

Square

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



73.9613, 0.2815, 0.5039



73.9613, 0.1437, 0.2127



73.9613, 0.3165, 0.2120



73.9613, 0.5124, 0.3969

Rectangle

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



73.9613, 0.2815, 0.5039



73.9613, 0.1641, 0.3208



73.9613, 0.3165, 0.2120



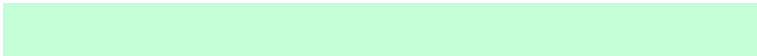
73.9613, 0.4835, 0.3044

Sweetspot

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



73.9566, 0.2815, 0.5039



88.2570, 0.2990, 0.3717



82.7853, 0.3663, 0.5247



18.5670, 0.2969, 0.3794



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.



73.9566, 0.2815, 0.5039



72.5684, 0.2845, 0.5392



77.7754, 0.2417, 0.3696



20.2682, 0.3070, 0.3452



37.7392, 0.2865, 0.5515



3.6939, 0.2802, 0.5289

Inverse Universe

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



28.1870, 0.3960, 0.2141



24.9361, 0.4187, 0.2114



25.2551, 0.5412, 0.3051



18.1912, 0.3189, 0.3133



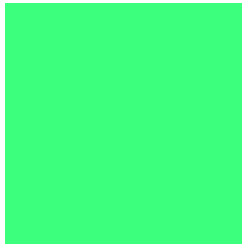
12.6516, 0.4279, 0.2131



1.2522, 0.4125, 0.2046

Previews

White Background



This preview shows how the Yxy color 73.9613, 0.2815, 0.5039 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 73.9613, 0.2815, 0.5039 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 73.9613, 0.2815, 0.5039

Background



This preview shows how black text looks on a background with the Yxy color 73.9613, 0.2815, 0.5039.



This preview shows how white text looks on a background with the Yxy color 73.9613, 0.2815, 0.5039.

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

73.9613, 0.2815, 0.5039

Protanopia

72.1383, 0.4025, 0.4389

Deuteranopia

72.1063, 0.3789, 0.3786



Tritanopia

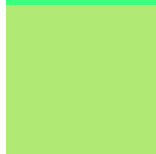
73.3556, 0.2456, 0.3091

Trichromacy



Original Color

73.9613, 0.2815, 0.5039



Protanomaly

68.9093, 0.3437, 0.4692



Deuteranomaly

68.4633, 0.3304, 0.4239



Tritanomaly

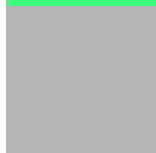
72.3196, 0.2574, 0.3747

Monochromacy



Original Color

73.9613, 0.2815, 0.5039



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.5774, 0.2936, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9613, 0.2815, 0.5039 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(60, 255, 125)` looks like.

```
.text, #text, p{  
    color:rgb(60, 255, 125)  
}
```

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(60, 255, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 255, 125) }
```

Border

The CSS property to change the border of an element to Yxy 73.9613, 0.2815, 0.5039 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(60, 255, 125) }
```

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

```
.border{ border-color:rgb(60, 255, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 255, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(60, 255,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9613, 0.2815, 0.5039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 255, 125) }
```

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

```
.background{ background-color: rgb(60, 255,  
125) }
```

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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