

Converting Colors

$Y_{xy}(73.0369, 0.2903, 0.5415)$

Have a look what the booklet for
Yxy(73.0369, 0.2903, 0.5415)
contains.

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Color

Yxy(73.0320, 0.2904, 0.5418)

Conversions

Conversions Part 1

Format	Color
Hex	33FF5E
RGB	51, 255, 94
RGB Percent	20%, 100%, 37%
CMY	0.8000, 0.0000, 0.6314
CMYK	0.80, 0.00, 0.63, 0.00
HSL	133°, 100%, 60%
HSV	133°, 80%, 100%
XYZ	39.1445, 73.0320, 22.6186
YIQ	175.6500, -69.9030, -93.3190

Conversions

Conversions Part 2

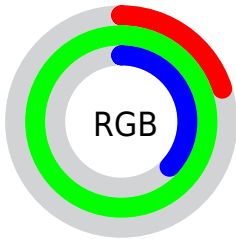
Format	Color
RYB	51, 219, 255
Decimal	3407710
CIELab	88.46, -78.27, 61.66
CIELCh	88, 99.638, 141.769
Yxy	73.0320, 0.2904, 0.5418
Android (android.graphics.Color)	4281597790 (0xFF33FF5E)
YUV	175.6500, -40.2535, -109.3180
Hunter-Lab	85.4588, -67.7907, 44.1287

Details

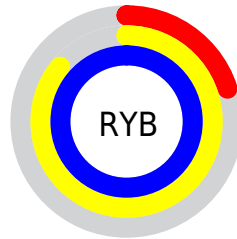
The Yxy color **73.0320, 0.2904, 0.5418** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.3805, 0.3680, 0.1923**, and the grayscale version is **43.4622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6275, 0.2974, 0.4604**, and **40.0480, 0.2958, 0.5848** is the 20% darker color. If you saturate the color by 10%, you get **72.2255, 0.2921, 0.5640**, and if you desaturate by 10%, it is **74.2941, 0.2900, 0.5152**.

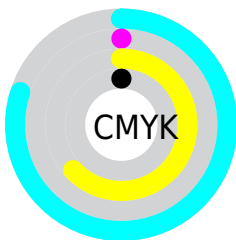
Distribution



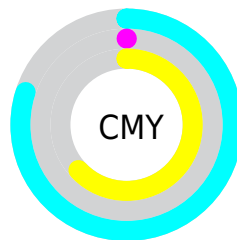
- Red (20%)
- Green (100%)
- Blue (37%)



- Red (20%)
- Yellow (86%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.0320, 0.2904, 0.5418 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 73.0320, 0.2904, 0.5418 by changing the saturation by 10% instead.


 73.0320, 0.2904,
0.5418

 73.0320, 0.2904,
0.5418


471.1257, 0.3079,
0.4348


 54.0021, 0.2843,
0.5675


 123.5226, 0.2981,
0.5034


 38.6034, 0.2756,
0.5993


 155.7522, 0.3007,
0.4888

 26.4513, 0.2628,
0.6395


 193.1504, 0.3026,
0.4764

 17.1616, 0.2432,
0.6904

 236.1018, 0.3042,
0.4657

 10.3498, 0.2144,
0.7616

284.9905, 0.3054,
0.4564

 5.6315, 0.1644,
0.8356


340.2012, 0.3064,

 2.6223, 0.0121,


0.4483


0.9879


402.1181, 0.3073,
0.4411


 0.9379, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.0320, 0.2904,
0.5418


 73.0320, 0.2904,
0.5418

 72.2255, 0.2921,
0.5640


 74.2941, 0.2900,
0.5152


 71.7839, 0.2947,
0.5808

 76.0721, 0.2910,
0.4859

 78.4150, 0.2932,
0.4557

 81.3664, 0.2963,
0.4261

 84.9658, 0.3000,
0.3981

 89.2489, 0.3042,
0.3724

 94.2492, 0.3084,
0.3494

99.9976, 0.3127,
0.3290

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.



73.0320, 0.3952, 0.5375



73.0320, 0.2904, 0.5418



73.0320, 0.1966, 0.4342

Triad

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



73.0320, 0.2904, 0.5418



73.0320, 0.1463, 0.1695



73.0320, 0.5184, 0.3113

Complementary

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



73.0320, 0.2904, 0.5418



28.3805, 0.3680, 0.1923

Split Complementary

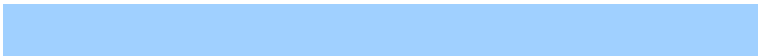
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.0320, 0.4209, 0.2445



73.0320, 0.2904, 0.5418



73.0320, 0.2013, 0.1672

Square

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



73.0320, 0.2904, 0.5418



73.0320, 0.1266, 0.2072



73.0320, 0.2973, 0.1934



73.0320, 0.5386, 0.3856

Rectangle

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



73.0320, 0.2904, 0.5418



73.0320, 0.1545, 0.3381



73.0320, 0.2973, 0.1934



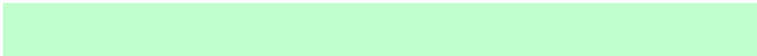
73.0320, 0.4930, 0.2880

Sweetspot

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



73.0314, 0.2904, 0.5418



87.4531, 0.3025, 0.3824



86.0849, 0.3850, 0.5167



18.3962, 0.3010, 0.3916



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.



73.0314, 0.2904, 0.5418



71.9313, 0.2936, 0.5747



76.1095, 0.2517, 0.4090



20.2308, 0.3087, 0.3483



37.5260, 0.2940, 0.5785



3.6689, 0.2885, 0.5586

Inverse Universe

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



28.3805, 0.3680, 0.1923



25.8127, 0.3809, 0.1884



24.8009, 0.5158, 0.2820



18.2309, 0.3170, 0.3104



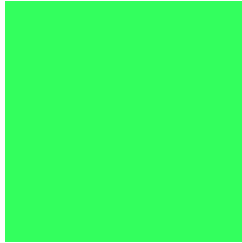
13.3413, 0.3828, 0.1882



1.3146, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 73.0320, 0.2904, 0.5418 looks on a white background.

Color Contrast Check

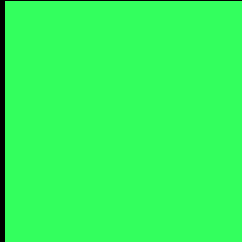
Large Text (above 18pt) WCAG AA × Fail

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 73.0320, 0.2904, 0.5418 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 73.0320, 0.2904, 0.5418

Background



This preview shows how black text looks on a background with the Yxy color 73.0320, 0.2904, 0.5418.

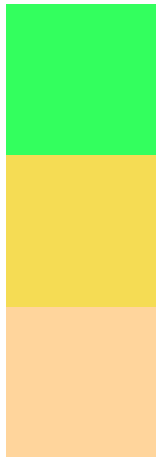


This preview shows how white text looks on a background with the Yxy color 73.0320, 0.2904, 0.5418.

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

73.0320, 0.2904, 0.5418

Protanopia

71.2390, 0.4189, 0.4602

Deuteranopia

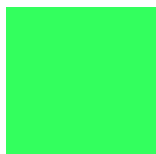
71.2488, 0.3866, 0.3878



Tritanopia

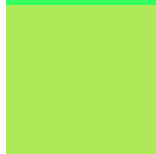
72.2240, 0.2426, 0.3077

Trichromacy



Original Color

73.0320, 0.2904, 0.5418



Protanomaly

67.9811, 0.3552, 0.4993



Deuteranomaly

67.0040, 0.3392, 0.4453



Tritanomaly

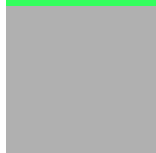
71.3395, 0.2604, 0.3913

Monochromacy



Original Color

73.0320, 0.2904, 0.5418



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

50.5633, 0.2982, 0.4145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0320, 0.2904, 0.5418 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(51, 255, 94)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 94)  
}
```

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(51, 255, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 94) }
```

Border

The CSS property to change the border of an element to Yxy 73.0320, 0.2904, 0.5418 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(51, 255, 94) }
```

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

```
.border{ border-color:rgb(51, 255, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 73.0320, 0.2904, 0.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 94) }
```

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

```
.background{ background-color: rgb(51, 255,  
94) }
```

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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