

Converting Colors

Yxy(73.4618, 0.2833, 0.5174)

Have a look what the booklet for
Yxy(73.4618, 0.2833, 0.5174)
contains.

Yxy(73.4616, 0.2833, 0.5175)	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(73.4616, 0.2833, 0.5175)

Conversions

Conversions Part 1

Format	Color
Hex	33FF73
RGB	51, 255, 115
RGB Percent	20%, 100%, 45%
CMY	0.8004, 0.0000, 0.5490
CMYK	0.80, 0.00, 0.55, 0.00
HSL	139°, 100%, 60%
HSV	139°, 80%, 100%
XYZ	40.2158, 73.4616, 28.2774
YIQ	178.0440, -76.6440, -86.7880

Conversions

Conversions Part 2

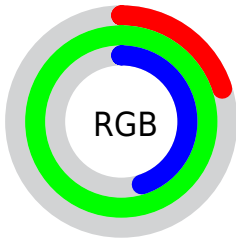
Format	Color
RYB	51, 206, 255
Decimal	3407731
CIELab	88.67, -75.79, 52.86
CIELCh	89, 92.399, 145.105
Yxy	73.4616, 0.2833, 0.5175
Android (android.graphics.Color)	4281597811 (0xFF33FF73)
YUV	178.0440, -31.0807, -111.4176
Hunter-Lab	85.7097, -66.2382, 40.4358

Details

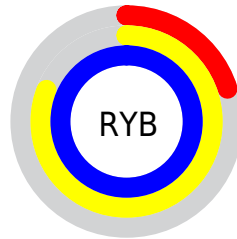
The Yxy color **73.4616, 0.2833, 0.5175** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.3770, 0.3956, 0.2090**, and the grayscale version is **44.7271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2476, 0.2875, 0.4350**, and **40.2694, 0.2883, 0.5580** is the 20% darker color. If you saturate the color by 10%, you get **72.6044, 0.2854, 0.5403**, and if you desaturate by 10%, it is **74.7526, 0.2829, 0.4921**.

Distribution



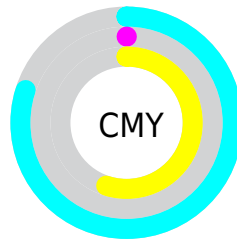
- Red (20%)
- Green (100%)
- Blue (45%)



- Red (20%)
- Yellow (81%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.4616, 0.2833, 0.5175 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 73.4616, 0.2833, 0.5175 by changing the saturation by 10% instead.


 73.4616, 0.2833,
0.5175

 73.4616, 0.2833,
0.5175


472.6131, 0.3023,
0.4225


 54.3535, 0.2774,
0.5406

 124.1323, 0.2911,
0.4833

 38.8843, 0.2693,
0.5697


 156.4637, 0.2938,
0.4703

 26.6698, 0.2578,
0.6069


 193.9716, 0.2959,
0.4593

 17.3254, 0.2405,
0.6556

 237.0404, 0.2977,
0.4498

 10.4667, 0.2136,
0.7200

286.0546, 0.2992,
0.4417

 5.7095, 0.1749,
0.8251

341.3985, 0.3004,

 2.6693, 0.0410,

0.4345

0.9590

403.4565, 0.3014,
0.4282

■ 0.9616, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.4616, 0.2833,
0.5175

■ 73.4616, 0.2833,
0.5175

■ 72.6044, 0.2854,
0.5403


■ 74.7526, 0.2829,
0.4921

■ 72.1003, 0.2887,
0.5595


■ 76.5407, 0.2842,
0.4655

■ 78.8708, 0.2870,
0.4388

■ 81.7845, 0.2910,
0.4130

 85.3191, 0.2959,
0.3888

 89.5088, 0.3013,
0.3666

 94.3853, 0.3069,
0.3467

99.9780, 0.3127,
0.3291

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.



73.4616, 0.3825, 0.5287



73.4616, 0.2833, 0.5175



73.4616, 0.1971, 0.4113

Triad

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



73.4616, 0.2833, 0.5175



73.4616, 0.1595, 0.1769



73.4616, 0.5099, 0.3220

Complementary

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



73.4616, 0.2833, 0.5175



27.3770, 0.3956, 0.2090

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.



73.4616, 0.4257, 0.2566



73.4616, 0.2833, 0.5175



73.4616, 0.2166, 0.1775

Square

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



73.4616, 0.2833, 0.5175



73.4616, 0.1371, 0.2096



73.4616, 0.3111, 0.2054



73.4616, 0.5222, 0.3941

Rectangle

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



73.4616, 0.2833, 0.5175



73.4616, 0.1595, 0.3251



73.4616, 0.3111, 0.2054



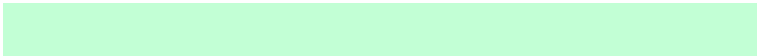
73.4616, 0.4887, 0.2993

Sweetspot

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



73.4591, 0.2833, 0.5175



87.7679, 0.2991, 0.3752



83.1974, 0.3709, 0.5271



18.4703, 0.2972, 0.3831



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.



73.4591, 0.2833, 0.5175



72.2751, 0.2874, 0.5522



77.0857, 0.2435, 0.3809



20.2621, 0.3072, 0.3457



37.6976, 0.2879, 0.5566



3.6892, 0.2817, 0.5341

Inverse Universe

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



27.3770, 0.3956, 0.2090



24.7009, 0.4170, 0.2085



24.3874, 0.5463, 0.3005



18.1976, 0.3186, 0.3128



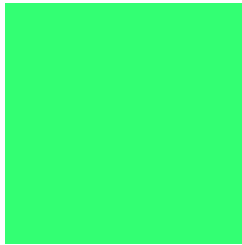
12.7527, 0.4202, 0.2088



1.2615, 0.4060, 0.2010

Previews

White Background



This preview shows how the Yxy color 73.4616, 0.2833, 0.5175 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 73.4616, 0.2833, 0.5175 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 73.4616, 0.2833, 0.5175

Background



This preview shows how black text looks on a background with the Yxy color 73.4616, 0.2833, 0.5175.



This preview shows how white text looks on a background with the Yxy color 73.4616, 0.2833, 0.5175.

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

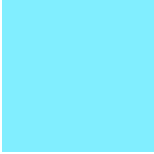
73.4616, 0.2833, 0.5175

Protanopia

71.9455, 0.4075, 0.4465

Deuteranopia

71.4571, 0.3822, 0.3817



Tritanopia

73.0362, 0.2440, 0.3090

Trichromacy



Original Color

73.4616, 0.2833, 0.5175



Protanomaly

68.3592, 0.3461, 0.4799



Deuteranomaly

67.3549, 0.3321, 0.4309



Tritanomaly

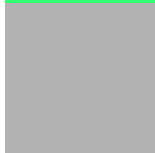
71.8277, 0.2574, 0.3803

Monochromacy



Original Color

73.4616, 0.2833, 0.5175



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.4147, 0.2933, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4616, 0.2833, 0.5175 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 115) }
```

Border

The CSS property to change the border of an element to Yxy 73.4616, 0.2833, 0.5175 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, 115) }
```

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

```
.border{ border-color:rgb(51, 255, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4616, 0.2833, 0.5175 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, 115) }
```

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

```
.background{ background-color: rgb(51, 255,  
115) }
```

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