

Converting Colors

$Yxy(73.5017, 0.2897, 0.5303)$

Have a look what the booklet for
Yxy(73.5017, 0.2897, 0.5303)
contains.

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Color

Yxy(73.4914, 0.2897, 0.5305)

Conversions

Conversions Part 1

Format	Color
Hex	3DFF67
RGB	61, 255, 103
RGB Percent	24%, 100%, 40%
CMY	0.7608, 0.0000, 0.5960
CMYK	0.76, 0.00, 0.60, 0.00
HSL	133°, 100%, 62%
HSV	133°, 76%, 100%
XYZ	40.1328, 73.4914, 24.9081
YIQ	179.6660, -66.8320, -88.4000

Conversions

Conversions Part 2

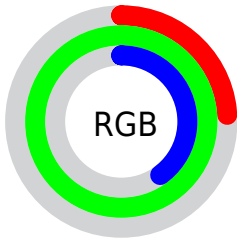
Format	Color
RYB	61, 220, 255
Decimal	4063079
CIELab	88.68, -76.10, 58.17
CIELCh	89, 95.788, 142.609
Yxy	73.4914, 0.2897, 0.5305
Android (android.graphics.Color)	4282253159 (0xFF3DFF67)
YUV	179.6660, -37.7963, -104.0701
Hunter-Lab	85.7271, -66.4584, 42.7822

Details

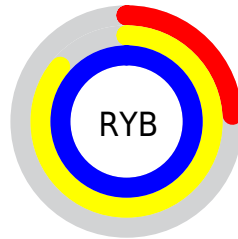
The Yxy color **73.4914, 0.2897, 0.5305** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **29.3978, 0.3661, 0.1960**, and the grayscale version is **45.6854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3070, 0.2961, 0.4494**, and **40.1377, 0.2927, 0.5736** is the 20% darker color. If you saturate the color by 10%, you get **72.5112, 0.2909, 0.5547**, and if you desaturate by 10%, it is **74.9516, 0.2899, 0.5027**.

Distribution



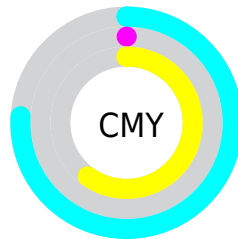
- Red (24%)
- Green (100%)
- Blue (40%)



- Red (24%)
- Yellow (86%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4914, 0.2897, 0.5305 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 73.4914, 0.2897, 0.5305 by changing the saturation by 10% instead.


 73.4914, 0.2897,
0.5305


 73.4914, 0.2897,
0.5305


472.7162, 0.3067,
0.4292


 54.3779, 0.2840,
0.5549


 124.1746, 0.2971,
0.4941


 38.9038, 0.2759,
0.5854

 156.5130, 0.2995,
0.4803

 26.6849, 0.2640,
0.6240


 194.0285, 0.3014,
0.4686

 17.3367, 0.2460,
0.6736

 237.1055, 0.3029,
0.4585

 10.4749, 0.2182,
0.7397

286.1284, 0.3042,
0.4497

 5.7149, 0.1738,
0.8262


341.4815, 0.3052,


 2.6725, 0.0388,

0.4420

0.9612


403.5493, 0.3060,
0.4352


 0.9633, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.4914, 0.2897,
0.5305

 73.4914, 0.2897,
0.5305


 72.5112, 0.2909,
0.5547

 74.9516, 0.2899,
0.5027

 71.9442, 0.2934,
0.5738

 76.9462, 0.2914,
0.4730


 71.7983, 0.2944,
0.5798

 79.5220, 0.2940,
0.4431

 82.7207, 0.2974,
0.4142

 86.5800, 0.3014,
0.3873

 91.1347, 0.3057,
0.3628

 96.4170, 0.3101,
0.3410

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.



73.4914, 0.3915, 0.5317



73.4914, 0.2897, 0.5305



73.4914, 0.1992, 0.4258

Triad

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



73.4914, 0.2897, 0.5305



73.4914, 0.1522, 0.1740



73.4914, 0.5121, 0.3150

Complementary

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



73.4914, 0.2897, 0.5305



29.3978, 0.3661, 0.1960

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.



73.4914, 0.4201, 0.2492



73.4914, 0.2897, 0.5305



73.4914, 0.2072, 0.1723

Square

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



73.4914, 0.2897, 0.5305



73.4914, 0.1321, 0.2102



73.4914, 0.3013, 0.1986



73.4914, 0.5304, 0.3879

Rectangle

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



73.4914, 0.2897, 0.5305



73.4914, 0.1586, 0.3348



73.4914, 0.3013, 0.1986



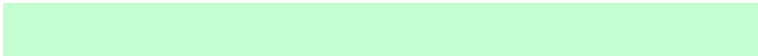
73.4914, 0.4882, 0.2920

Sweetspot

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



73.4914, 0.2897, 0.5305



87.9091, 0.3027, 0.3795



85.9974, 0.3819, 0.5129



18.4844, 0.3012, 0.3886



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.



73.4914, 0.2897, 0.5305



72.1857, 0.2920, 0.5648



76.6831, 0.2509, 0.4000



20.2326, 0.3086, 0.3482



37.5340, 0.2937, 0.5774



3.6699, 0.2882, 0.5574

Inverse Universe

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



29.3978, 0.3661, 0.1960



26.2648, 0.3788, 0.1894



25.8558, 0.5062, 0.2842



18.2290, 0.3171, 0.3106



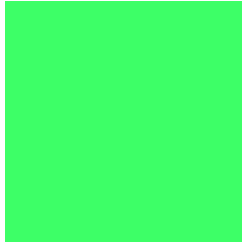
13.3046, 0.3848, 0.1894



1.3114, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 73.4914, 0.2897, 0.5305 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 73.4914, 0.2897, 0.5305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

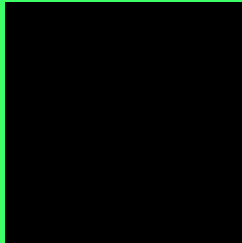
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.4914, 0.2897, 0.5305

Background



This preview shows how black text looks on a background with the Yxy color 73.4914, 0.2897, 0.5305.

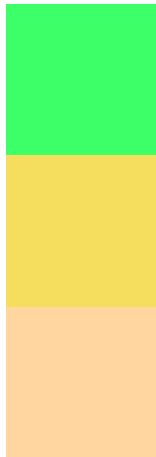


This preview shows how white text looks on a background with the Yxy color 73.4914, 0.2897, 0.5305.

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

73.4914, 0.2897, 0.5305

Protanopia

71.9157, 0.4140, 0.4546

Deuteranopia

71.8912, 0.3833, 0.3847



Tritanopia

72.6137, 0.2446, 0.3078

Trichromacy



Original Color

73.4914, 0.2897, 0.5305



Protanomaly

68.6059, 0.3542, 0.4894



Deuteranomaly

68.0931, 0.3376, 0.4383



Tritanomaly

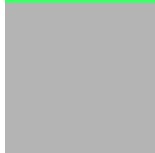
71.9357, 0.2611, 0.3855

Monochromacy



Original Color

73.4914, 0.2897, 0.5305



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.2110, 0.2986, 0.4070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4914, 0.2897, 0.5305 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(61, 255, 103)` looks like.

```
.text, #text, p{  
    color:rgb(61, 255, 103)  
}
```

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(61, 255, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 103) }
```

Border

The CSS property to change the border of an element to Yxy 73.4914, 0.2897, 0.5305 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(61, 255, 103) }
```

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

```
.border{ border-color:rgb(61, 255, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 255, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4914, 0.2897, 0.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 103) }
```

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

```
.background{ background-color: rgb(61, 255,  
103) }
```

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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