

Converting Colors

$Y_{xy}(73.0990, 0.2886, 0.5364)$

Have a look what the booklet for
Yxy(73.0990, 0.2886, 0.5364)
contains.

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Color

Yxy(73.0990, 0.2886, 0.5364)

Conversions

Conversions Part 1

Format	Color
Hex	32FF63
RGB	50, 255, 99
RGB Percent	20%, 100%, 39%
CMY	0.8038, 0.0000, 0.6116
CMYK	0.80, 0.00, 0.61, 0.00
HSL	134°, 100%, 60%
HSV	134°, 80%, 100%
XYZ	39.3296, 73.0990, 23.8485
YIQ	175.9210, -72.1040, -91.9760

Conversions

Conversions Part 2

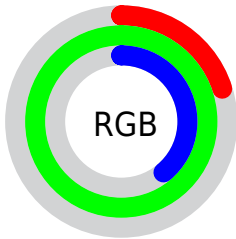
Format	Color
RYB	50, 215, 255
Decimal	3342179
CIELab	88.49, -77.82, 59.61
CIELCh	88, 98.024, 142.550
Yxy	73.0990, 0.2886, 0.5364
Android (android.graphics.Color)	4281532259 (0xFF32FF63)
YUV	175.9210, -37.9221, -110.4327
Hunter-Lab	85.4980, -67.5104, 43.3104

Details

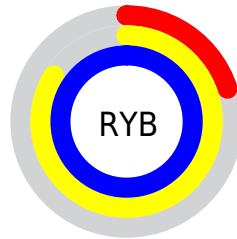
The Yxy color **73.0990, 0.2886, 0.5364** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.9992, 0.3756, 0.1965**, and the grayscale version is **43.6084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6784, 0.2950, 0.4556**, and **40.0997, 0.2940, 0.5783** is the 20% darker color. If you saturate the color by 10%, you get **72.2945, 0.2905, 0.5588**, and if you desaturate by 10%, it is **74.3556, 0.2881, 0.5101**.

Distribution



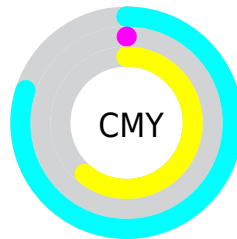
- Red (20%)
- Green (100%)
- Blue (39%)



- Red (20%)
- Yellow (84%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.0990, 0.2886, 0.5364 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 73.0990, 0.2886, 0.5364 by changing the saturation by 10% instead.


 73.0990, 0.2886,
0.5364

 73.0990, 0.2886,
0.5364


471.3579, 0.3065,
0.4320


 54.0569, 0.2825,
0.5615


 123.6177, 0.2964,
0.4989


 38.6472, 0.2740,
0.5929


 155.8632, 0.2989,
0.4847

 26.4854, 0.2615,
0.6325


 193.2786, 0.3009,
0.4725

 17.1871, 0.2425,
0.6832

 236.2482, 0.3025,
0.4621

 10.3680, 0.2137,
0.7520

285.1566, 0.3038,
0.4531

 5.6436, 0.1663,
0.8337


340.3881, 0.3049,

 2.6296, 0.0173,


0.4452


0.9827


402.3270, 0.3058,
0.4382


 0.9416, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 73.0990, 0.2886,
0.5364


 73.0990, 0.2886,
0.5364


 72.2945, 0.2905,
0.5588


 74.3556, 0.2881,
0.5101

 71.8566, 0.2933,
0.5757

 76.1186, 0.2891,
0.4815

 78.4384, 0.2914,
0.4522

 81.3582, 0.2947,
0.4235

 84.9168, 0.2987,
0.3965

 89.1498, 0.3032,
0.3717

 94.0900, 0.3079,
0.3494

99.7681, 0.3125,
0.3297

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.



73.0990, 0.3922, 0.5359



73.0990, 0.2886, 0.5364



73.0990, 0.1965, 0.4287

Triad

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



73.0990, 0.2886, 0.5364



73.0990, 0.1492, 0.1711



73.0990, 0.5168, 0.3139

Complementary

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



73.0990, 0.2886, 0.5364



27.9992, 0.3756, 0.1965

Split Complementary

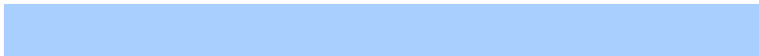
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.0990, 0.4224, 0.2473



73.0990, 0.2886, 0.5364



73.0990, 0.2048, 0.1694

Square

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



73.0990, 0.2886, 0.5364



73.0990, 0.1289, 0.2076



73.0990, 0.3006, 0.1961



73.0990, 0.5350, 0.3877

Rectangle

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



73.0990, 0.2886, 0.5364



73.0990, 0.1555, 0.3348



73.0990, 0.3006, 0.1961



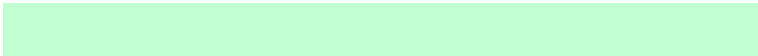
73.0990, 0.4924, 0.2907

Sweetspot

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



73.1003, 0.2886, 0.5364



87.5383, 0.3016, 0.3804



85.0408, 0.3803, 0.5207



18.4162, 0.3000, 0.3893



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.



73.1003, 0.2886, 0.5364



72.0122, 0.2921, 0.5692



76.3848, 0.2489, 0.3999



20.2394, 0.3083, 0.3476



37.5659, 0.2926, 0.5732



3.6738, 0.2868, 0.5524

Inverse Universe

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



27.9992, 0.3756, 0.1965



25.4884, 0.3904, 0.1937



24.5569, 0.5276, 0.2885



18.2217, 0.3175, 0.3111



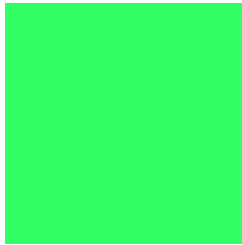
13.1693, 0.3926, 0.1937



1.2992, 0.3827, 0.1882

Previews

White Background



This preview shows how the Yxy color 73.0990, 0.2886, 0.5364 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 73.0990, 0.2886, 0.5364 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 73.0990, 0.2886, 0.5364

Background



This preview shows how black text looks on a background with the Yxy color 73.0990, 0.2886, 0.5364.

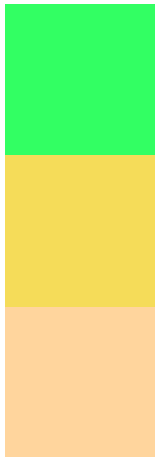


This preview shows how white text looks on a background with the Yxy color 73.0990, 0.2886, 0.5364.

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

73.0990, 0.2886, 0.5364

Protanopia

71.3201, 0.4166, 0.4567

Deuteranopia

71.2828, 0.3859, 0.3868



Tritanopia

72.2240, 0.2426, 0.3077

Trichromacy



Original Color

73.0990, 0.2886, 0.5364



Protanomaly

68.0668, 0.3531, 0.4948



Deuteranomaly

66.9677, 0.3367, 0.4420



Tritanomaly

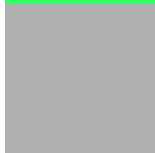
71.3753, 0.2591, 0.3886

Monochromacy



Original Color

73.0990, 0.2886, 0.5364



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

50.5466, 0.2963, 0.4117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0990, 0.2886, 0.5364 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(50, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(50, 255, 99)  
}
```

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(50, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 73.0990, 0.2886, 0.5364 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(50, 255, 99) }
```

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

```
.border{ border-color:rgb(50, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(50, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 73.0990, 0.2886, 0.5364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 255, 99) }
```

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

```
.background{ background-color: rgb(50, 255,  
99) }
```

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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