

Converting Colors

$Y_{xy}(73.1753, 0.2880, 0.5334)$

Have a look what the booklet for
Yxy(73.1753, 0.2880, 0.5334)
contains.

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Color

Yxy(73.1831, 0.2878, 0.5329)

Conversions

Conversions Part 1

Format	Color
Hex	33FF66
RGB	51, 255, 102
RGB Percent	20%, 100%, 40%
CMY	0.8002, 0.0000, 0.5998
CMYK	0.80, 0.00, 0.60, 0.00
HSL	135°, 100%, 60%
HSV	135°, 80%, 100%
XYZ	39.5235, 73.1831, 24.6232
YIQ	176.5620, -72.4710, -90.8310

Conversions

Conversions Part 2

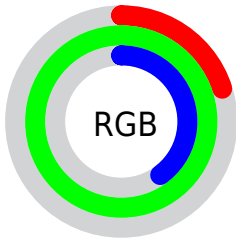
Format	Color
RYB	51, 214, 255
Decimal	3407718
CIELab	88.53, -77.38, 58.38
CIELCh	89, 96.935, 142.966
Yxy	73.1831, 0.2878, 0.5329
Android (android.graphics.Color)	4281597798 (0xFF33FF66)
YUV	176.5620, -36.7591, -110.1179
Hunter-Lab	85.5471, -67.2388, 42.8174

Details

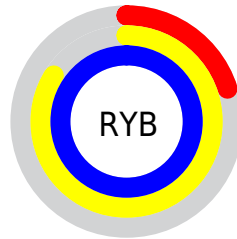
The Yxy color **73.1831, 0.2878, 0.5329** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.9800, 0.3782, 0.1985**, and the grayscale version is **43.9454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7796, 0.2936, 0.4517**, and **40.1298, 0.2929, 0.5746** is the 20% darker color. If you saturate the color by 10%, you get **72.3560, 0.2897, 0.5556**, and if you desaturate by 10%, it is **74.4599, 0.2874, 0.5066**.

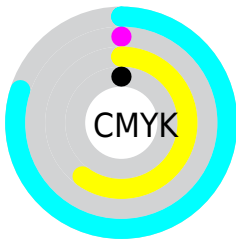
Distribution



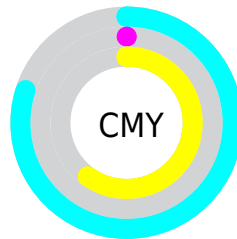
- Red (20%)
- Green (100%)
- Blue (40%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1831, 0.2878, 0.5329 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 73.1831, 0.2878, 0.5329 by changing the saturation by 10% instead.


 73.1831, 0.2878,
0.5329

 73.1831, 0.2878,
0.5329


471.6492, 0.3058,
0.4302

 54.1257, 0.2818,
0.5577


 123.7371, 0.2955,
0.4960

 38.7022, 0.2734,
0.5886


 156.0025, 0.2981,
0.4820

 26.5281, 0.2611,
0.6278


 193.4393, 0.3001,
0.4701

 17.2191, 0.2424,
0.6783

 236.4320, 0.3018,
0.4598

 10.3909, 0.2139,
0.7456

285.3650, 0.3031,
0.4510

 5.6589, 0.1681,
0.8319

340.6225, 0.3042,

 2.6388, 0.0227,

0.4432

0.9773

402.5891, 0.3051,
0.4363

■ 0.9462, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.1831, 0.2878,
0.5329

■ 73.1831, 0.2878,
0.5329

■ 72.3560, 0.2897,
0.5556

■ 74.4599, 0.2874,
0.5066

■ 71.8884, 0.2927,
0.5736


■ 76.2441, 0.2884,
0.4782

■ 78.5844, 0.2908,
0.4492

■ 81.5233, 0.2943,
0.4210

 85.0995, 0.2984,
0.3945

 89.3481, 0.3031,
0.3702

 94.3018, 0.3079,
0.3484

99.9909, 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.



73.1831, 0.3906, 0.5346



73.1831, 0.2878, 0.5329



73.1831, 0.1968, 0.4255

Triad

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



73.1831, 0.2878, 0.5329



73.1831, 0.1511, 0.1722



73.1831, 0.5154, 0.3153

Complementary

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



73.1831, 0.2878, 0.5329



27.9800, 0.3782, 0.1985

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.



73.1831, 0.4228, 0.2489



73.1831, 0.2878, 0.5329



73.1831, 0.2069, 0.1709

Square

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



73.1831, 0.2878, 0.5329



73.1831, 0.1304, 0.2081



73.1831, 0.3024, 0.1978



73.1831, 0.5326, 0.3888

Rectangle

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



73.1831, 0.2878, 0.5329



73.1831, 0.1563, 0.3331



73.1831, 0.3024, 0.1978



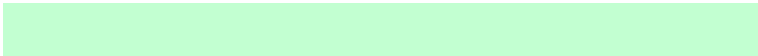
73.1831, 0.4915, 0.2922

Sweetspot

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



73.1830, 0.2878, 0.5329



87.5724, 0.3012, 0.3796



84.5947, 0.3779, 0.5219



18.4242, 0.2995, 0.3883



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.



73.1830, 0.2878, 0.5329



72.0470, 0.2915, 0.5669



76.5820, 0.2476, 0.3948



20.2428, 0.3081, 0.3473



37.5832, 0.2919, 0.5710



3.6759, 0.2861, 0.5498

Inverse Universe

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



27.9800, 0.3782, 0.1985



25.3636, 0.3943, 0.1959



24.5830, 0.5314, 0.2914



18.2181, 0.3177, 0.3114



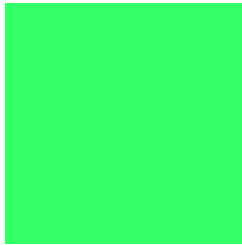
13.1032, 0.3966, 0.1959



1.2933, 0.3861, 0.1900

Previews

White Background



This preview shows how the Yxy color 73.1831, 0.2878, 0.5329 looks on a white background.

Color Contrast Check

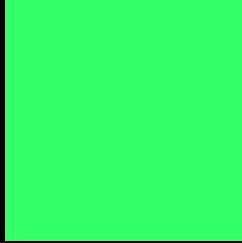
Large Text (above 18pt) WCAG AA × Fail

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 73.1831, 0.2878, 0.5329 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 73.1831, 0.2878, 0.5329

Background



This preview shows how black text looks on a background with the Yxy color 73.1831, 0.2878, 0.5329.

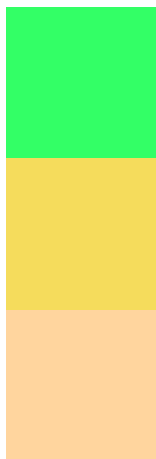


This preview shows how white text looks on a background with the Yxy color 73.1831, 0.2878, 0.5329.

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

73.1831, 0.2878, 0.5329

Protanopia

71.3716, 0.4151, 0.4545

Deuteranopia

71.3171, 0.3851, 0.3857



Tritanopia

72.3004, 0.2430, 0.3077

Trichromacy



Original Color

73.1831, 0.2878, 0.5329



Protanomaly

68.1210, 0.3517, 0.4919



Deuteranomaly

67.1455, 0.3362, 0.4394



Tritanomaly

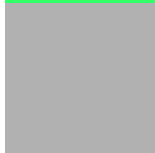
71.4775, 0.2590, 0.3872

Monochromacy



Original Color

73.1831, 0.2878, 0.5329



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.6899, 0.2957, 0.4085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1831, 0.2878, 0.5329 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 73.1831, 0.2878, 0.5329 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, 102) }
```

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

```
.border{ border-color:rgb(51, 255, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1831, 0.2878, 0.5329 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, 102) }
```

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

```
.background{ background-color: rgb(51, 255,  
102) }
```

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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