

Converting Colors

$Y_{xy}(73.2429, 0.2801, 0.5151)$

Have a look what the booklet for
Yxy(73.2429, 0.2801, 0.5151)
contains.

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Color

Yxy(73.2401, 0.2800, 0.5149)

Conversions

Conversions Part 1

Format	Color
Hex	26FF76
RGB	38, 255, 118
RGB Percent	15%, 100%, 46%
CMY	0.8511, 0.0000, 0.5373
CMYK	0.85, 0.00, 0.54, 0.00
HSL	142°, 100%, 57%
HSV	142°, 85%, 100%
XYZ	39.8276, 73.2401, 29.1737
YIQ	174.4990, -85.3550, -88.6110

Conversions

Conversions Part 2

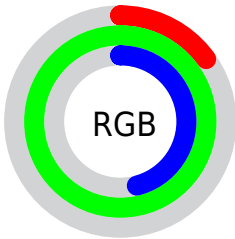
Format	Color
RYB	38, 197, 255
Decimal	2555766
CIELab	88.56, -76.54, 51.34
CIELCh	89, 92.169, 146.147
Yxy	73.2401, 0.2800, 0.5149
Android (android.graphics.Color)	4280745846 (0xFF26FF76)
YUV	174.4990, -27.8540, -119.7096
Hunter-Lab	85.5804, -66.6951, 39.6948

Details

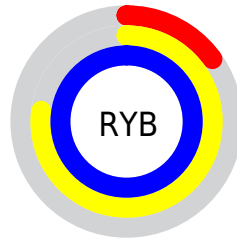
The Yxy color **73.2401, 0.2800, 0.5149** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **25.7375, 0.4199, 0.2176**, and the grayscale version is **42.7695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8971, 0.2833, 0.4319**, and **40.3142, 0.2869, 0.5529** is the 20% darker color. If you saturate the color by 10%, you get **72.5588, 0.2829, 0.5359**, and if you desaturate by 10%, it is **74.3157, 0.2788, 0.4916**.

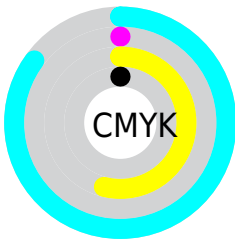
Distribution



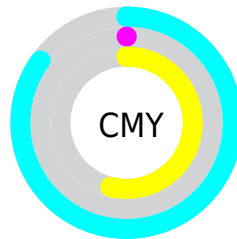
- Red (15%)
- Green (100%)
- Blue (46%)



- Red (15%)
- Yellow (77%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (85%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2401, 0.2800, 0.5149 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 73.2401, 0.2800, 0.5149 by changing the saturation by 10% instead.

 73.2401, 0.2800,
0.5149


 73.2401, 0.2800,
0.5149


471.8465, 0.3003,
0.4211


 54.1723, 0.2739,
0.5378


 123.8180, 0.2882,
0.4810


 38.7394, 0.2656,
0.5667


 156.0969, 0.2911,
0.4682

 26.5571, 0.2538,
0.6038


 193.5483, 0.2934,
0.4574

 17.2409, 0.2363,
0.6526

 236.5566, 0.2953,
0.4480

 10.4064, 0.2093,
0.7175

285.5062, 0.2969,
0.4399

 5.6692, 0.1714,
0.8286


340.7814, 0.2982,

 2.6450, 0.0310,


0.4329


0.9690


402.7667, 0.2994,
0.4266


 0.9493, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 73.2401, 0.2800,
0.5149


 73.2401, 0.2800,
0.5149


 72.5588, 0.2829,
0.5359


 74.3157, 0.2788,
0.4916

 72.3287, 0.2848,
0.5451


 75.8499, 0.2795,
0.4670


 77.8919, 0.2819,
0.4421

 80.4851, 0.2858,
0.4178

 83.6680, 0.2908,
0.3948

 87.4755, 0.2966,
0.3736

 91.9400, 0.3029,
0.3543

 97.0911, 0.3094,
0.3371

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.



73.2401, 0.3791, 0.5295



73.2401, 0.2800, 0.5149



73.2401, 0.1949, 0.4065

Triad

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



73.2401, 0.2800, 0.5149



73.2401, 0.1611, 0.1766



73.2401, 0.5113, 0.3245

Complementary

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



73.2401, 0.2800, 0.5149



25.7375, 0.4199, 0.2176

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.



73.2401, 0.4294, 0.2588



73.2401, 0.2800, 0.5149



73.2401, 0.2194, 0.1782

Square

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



73.2401, 0.2800, 0.5149



73.2401, 0.1375, 0.2079



73.2401, 0.3150, 0.2070



73.2401, 0.5211, 0.3966

Rectangle

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



73.2401, 0.2800, 0.5149



73.2401, 0.1583, 0.3210



73.2401, 0.3150, 0.2070



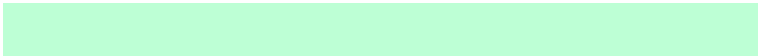
73.2401, 0.4910, 0.3016

Sweetspot

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



73.2391, 0.2800, 0.5149



87.1121, 0.2961, 0.3754



80.8221, 0.3609, 0.5414



18.3520, 0.2940, 0.3826



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.



73.2391, 0.2800, 0.5149



72.3287, 0.2848, 0.5451



77.4256, 0.2372, 0.3652



20.2789, 0.3065, 0.3444



37.8196, 0.2839, 0.5421



3.7026, 0.2776, 0.5193

Inverse Universe

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



25.7375, 0.4199, 0.2176



23.8321, 0.4443, 0.2221



23.0477, 0.5845, 0.3137



18.1801, 0.3195, 0.3141



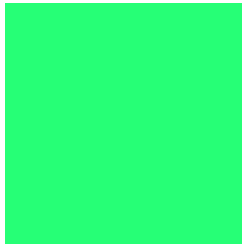
12.4826, 0.4417, 0.2207



1.2365, 0.4242, 0.2111

Previews

White Background



This preview shows how the Yxy color 73.2401, 0.2800, 0.5149 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 73.2401, 0.2800, 0.5149 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 73.2401, 0.2800, 0.5149

Background



This preview shows how black text looks on a background with the Yxy color 73.2401, 0.2800, 0.5149.

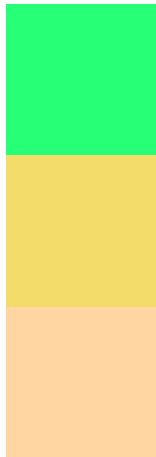


This preview shows how white text looks on a background with the Yxy color 73.2401, 0.2800, 0.5149.

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

73.2401, 0.2800, 0.5149

Protanopia

71.4810, 0.4064, 0.4432

Deuteranopia

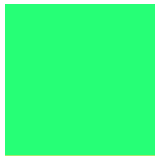
71.4571, 0.3822, 0.3817



Tritanopia

72.8047, 0.2428, 0.3089

Trichromacy



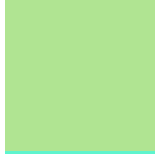
Original Color

73.2401, 0.2800, 0.5149



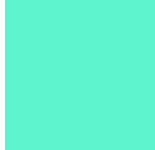
Protanomaly

67.8605, 0.3411, 0.4785



Deuteranomaly

66.7922, 0.3279, 0.4308



Tritanomaly

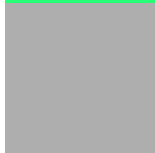
71.4888, 0.2546, 0.3792

Monochromacy



Original Color

73.2401, 0.2800, 0.5149



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.4049, 0.2891, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2401, 0.2800, 0.5149 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(38, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 118)  
}
```

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(38, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 118) }
```

Border

The CSS property to change the border of an element to Yxy 73.2401, 0.2800, 0.5149 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(38, 255, 118) }
```

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

```
.border{ border-color:rgb(38, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(38, 255, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(38, 255, 118); box-shadow:4px 4px 4px 4px rgb(38, 255, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2401, 0.2800, 0.5149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 118) }
```

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

```
.background{ background-color: rgb(38, 255,  
118) }
```

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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