

# Converting Colors

$Y_{xy}(73.0624, 0.2789, 0.5161)$

Have a look what the booklet for  
Yxy(73.0624, 0.2789, 0.5161)  
contains.

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# Color

**Yxy(73.0749, 0.2787, 0.5155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CFF76
RGB	28, 255, 118
RGB Percent	11%, 100%, 46%
CMY	0.8908, 0.0000, 0.5371
CMYK	0.89, 0.00, 0.54, 0.00
HSL	144°, 100%, 55%
HSV	144°, 89%, 100%
XYZ	39.5072, 73.0749, 29.1733
YIQ	171.5090, -91.3150, -90.7310

# Conversions

## Conversions Part 2

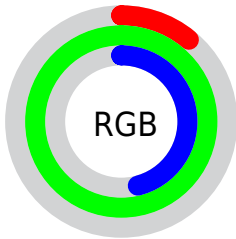
Format	Color
<a href="#">RYB</a>	<a href="#">28, 191, 255</a>
Decimal	<a href="#">1900406</a>
CIELab	<a href="#">88.48, -77.21, 51.21</a>
CIELCh	<a href="#">88, 92.648, 146.446</a>
Yxy	<a href="#">73.0749, 0.2787, 0.5155</a>
Android (android.graphics.Color)	<a href="#">4280090486 (0xFF1CFF76)</a>
YUV	<a href="#">171.5090, -26.3799, -125.8574</a>
Hunter-Lab	<a href="#">85.4839, -67.1012, 39.6047</a>

# Details

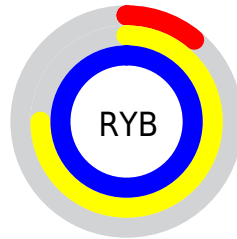
The Yxy color **73.0749, 0.2787, 0.5155** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **24.7922, 0.4364, 0.2235**, and the grayscale version is **41.1405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6021, 0.2816, 0.4324**, and **40.3142, 0.2869, 0.5529** is the 20% darker color. If you saturate the color by 10%, you get **72.5077, 0.2822, 0.5353**, and if you desaturate by 10%, it is **73.9910, 0.2768, 0.4935**.

# Distribution



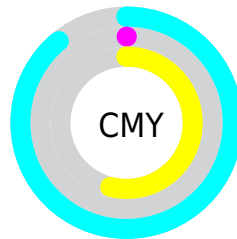
- Red (11%)
- Green (100%)
- Blue (46%)



- Red (11%)
- Yellow (75%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (89%)
- Magenta (0%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0749, 0.2787, 0.5155 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 73.0749, 0.2787, 0.5155 by changing the saturation by 10% instead.





 73.0749, 0.2787,  
0.5155

 73.0749, 0.2787,  
0.5155


471.2744, 0.2997,  
0.4213


 54.0372, 0.2724,  
0.5385


 123.5835, 0.2871,  
0.4815


 38.6314, 0.2639,  
0.5676


 155.8233, 0.2901,  
0.4686

 26.4731, 0.2519,  
0.6049


 193.2325, 0.2925,  
0.4577

 17.1779, 0.2342,  
0.6541

 236.1955, 0.2944,  
0.4483

 10.3614, 0.2068,  
0.7195

285.0969, 0.2961,  
0.4402

 5.6392, 0.1684,  
0.8316

340.3209, 0.2974,

 2.6270, 0.0223,

0.4331

0.9777

402.2519, 0.2986,  
0.4269

■ 0.9402, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 73.0749, 0.2787,  
0.5155

■ 73.0749, 0.2787,  
0.5155

■ 72.5077, 0.2822,  
0.5353


■ 73.9910, 0.2768,  
0.4935


■ 72.4646, 0.2825,  
0.5370


■ 75.3386, 0.2769,  
0.4701

■ 77.1696, 0.2788,  
0.4462

■ 79.5296, 0.2824,  
0.4227

 82.4583, 0.2873,  
0.4003

 85.9918, 0.2931,  
0.3793

 90.1628, 0.2996,  
0.3602

 95.0019, 0.3064,  
0.3430

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.



73.0749, 0.3783, 0.5309



73.0749, 0.2787, 0.5155



73.0749, 0.1935, 0.4057

# Triad

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



73.0749, 0.2787, 0.5155



73.0749, 0.1608, 0.1758



73.0749, 0.5129, 0.3250

# Complementary

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



73.0749, 0.2787, 0.5155



24.7922, 0.4364, 0.2235

# 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.



73.0749, 0.4311, 0.2590



73.0749, 0.2787, 0.5155



73.0749, 0.2197, 0.1777

# Square

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



73.0749, 0.2787, 0.5155



73.0749, 0.1368, 0.2068



73.0749, 0.3161, 0.2069



73.0749, 0.5218, 0.3974



# Rectangle

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



73.0749, 0.2787, 0.5155



73.0749, 0.1571, 0.3196



73.0749, 0.3161, 0.2069



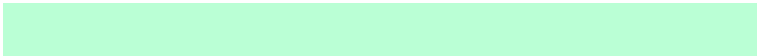
73.0749, 0.4928, 0.3021

# Sweetspot

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



73.0736, 0.2787, 0.5155



86.8069, 0.2944, 0.3752



79.9193, 0.3574, 0.5482



18.2973, 0.2923, 0.3820



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.



73.0736, 0.2787, 0.5155



72.4646, 0.2825, 0.5370



77.3937, 0.2354, 0.3621



20.2877, 0.3061, 0.3437



37.8917, 0.2817, 0.5339



3.7102, 0.2754, 0.5113



# Inverse Universe

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



24.7922, 0.4364, 0.2235



23.5846, 0.4561, 0.2286



22.3525, 0.6021, 0.3180



18.1710, 0.3199, 0.3148



12.3537, 0.4532, 0.2270

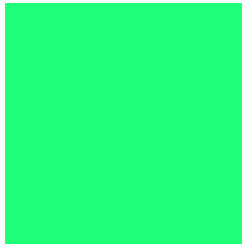


1.2244, 0.4340, 0.2164



# Previews

## White Background



This preview shows how the Yxy color 73.0749, 0.2787, 0.5155 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 73.0749, 0.2787, 0.5155 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 73.0749, 0.2787, 0.5155**

## Background



This preview shows how black text looks on a background with the Yxy color 73.0749, 0.2787, 0.5155.

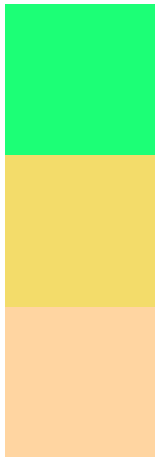


This preview shows how white text looks on a background with the Yxy color 73.0749, 0.2787, 0.5155.

# 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

73.0749, 0.2787, 0.5155

### Protanopia

71.2817, 0.4062, 0.4444

### Deuteranopia

71.4217, 0.3829, 0.3827



## **Tritanopia**

72.6542, 0.2421, 0.3089

# Trichromacy



## Original Color

73.0749, 0.2787, 0.5155



## Protanomaly

67.4029, 0.3388, 0.4810



## Deuteranomaly

66.3018, 0.3257, 0.4330



## Tritanomaly

71.2330, 0.2530, 0.3795

# Monochromacy



## Original Color

73.0749, 0.2787, 0.5155



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

48.4300, 0.2865, 0.4034

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0749, 0.2787, 0.5155 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(28, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(28, 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(28, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 255, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0749, 0.2787, 0.5155 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(28, 255, 118) }
```

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

```
.border{ border-color:rgb(28, 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(28, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(28, 255,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0749, 0.2787, 0.5155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 255, 118) }
```

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

```
.background{ background-color: rgb(28, 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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