

# Converting Colors

$Y_{xy}(73.2157, 0.2843, 0.5246)$

Have a look what the booklet for  
Yxy(73.2157, 0.2843, 0.5246)  
contains.

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# Color

**Yxy(73.2266, 0.2841, 0.5241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EFF6E
RGB	46, 255, 110
RGB Percent	18%, 100%, 43%
CMY	0.8205, 0.0000, 0.5686
CMYK	0.82, 0.00, 0.57, 0.00
HSL	138°, 100%, 59%
HSV	138°, 82%, 100%
XYZ	39.6941, 73.2266, 26.7981
YIQ	175.9790, -78.0190, -89.4030

# Conversions

## Conversions Part 2

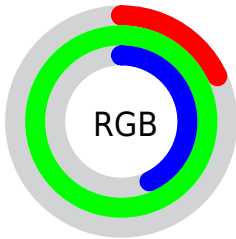
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 206, 255
Decimal	3080046
CIELab	88.56, -76.93, 54.93
CIELCh	89, 94.532, 144.473
Yxy	73.2266, 0.2841, 0.5241
Android (android.graphics.Color)	4281270126 (0xFF2EFF6E)
YUV	175.9790, -32.5276, -113.9916
Hunter-Lab	85.5725, -66.9521, 41.3334

# Details

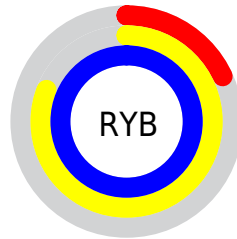
The Yxy color **73.2266, 0.2841, 0.5241** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **26.9470, 0.3963, 0.2070**, and the grayscale version is **43.5711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9037, 0.2889, 0.4418**, and **40.2180, 0.2900, 0.5640** is the 20% darker color. If you saturate the color by 10%, you get **72.4504, 0.2865, 0.5462**, and if you desaturate by 10%, it is **74.4202, 0.2833, 0.4990**.

# Distribution



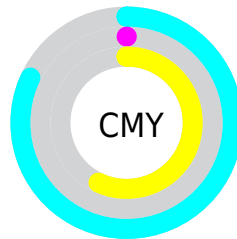
- Red (18%)
- Green (100%)
- Blue (43%)



- Red (18%)
- Yellow (81%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (82%)
- Magenta (0%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2266, 0.2841, 0.5241 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 73.2266, 0.2841, 0.5241 by changing the saturation by 10% instead.




 73.2266, 0.2841,  
0.5241

 73.2266, 0.2841,  
0.5241


471.7998, 0.3032,  
0.4257


 54.1613, 0.2781,  
0.5480


 123.7988, 0.2920,  
0.4887


 38.7306, 0.2697,  
0.5780


 156.0746, 0.2947,  
0.4752

 26.5502, 0.2577,  
0.6163


 193.5225, 0.2969,  
0.4638

 17.2357, 0.2398,  
0.6660

 236.5271, 0.2986,  
0.4540

 10.4027, 0.2118,  
0.7315

285.4727, 0.3001,  
0.4455

 5.6668, 0.1699,  
0.8301


340.7438, 0.3013,

 2.6435, 0.0274,

0.4381


0.9726


402.7247, 0.3023,  
0.4316


 0.9486, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.2266, 0.2841,  
0.5241

 73.2266, 0.2841,  
0.5241


 72.4504, 0.2865,  
0.5462


 74.4202, 0.2833,  
0.4990

 72.0744, 0.2892,  
0.5612

 76.1043, 0.2843,  
0.4724


 78.3228, 0.2868,  
0.4453


 81.1185, 0.2905,  
0.4190

 84.5295, 0.2951,  
0.3942

 88.5908, 0.3004,  
0.3714

 93.3345, 0.3059,  
0.3508

 98.7908, 0.3116,  
0.3325

 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.



73.2266, 0.3851, 0.5322



73.2266, 0.2841, 0.5241



73.2266, 0.1959, 0.4162

# Triad

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



73.2266, 0.2841, 0.5241



73.2266, 0.1560, 0.1744



73.2266, 0.5133, 0.3197

# Complementary

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



73.2266, 0.2841, 0.5241



26.9470, 0.3963, 0.2070

# 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.



73.2266, 0.4260, 0.2537



73.2266, 0.2841, 0.5241



73.2266, 0.2130, 0.1745

# Square

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



73.2266, 0.2841, 0.5241



73.2266, 0.1339, 0.2081



73.2266, 0.3085, 0.2023



73.2266, 0.5269, 0.3926



# Rectangle

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



73.2266, 0.2841, 0.5241



73.2266, 0.1574, 0.3272



73.2266, 0.3085, 0.2023



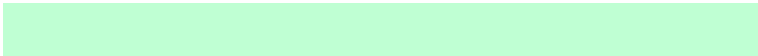
73.2266, 0.4912, 0.2968

# Sweetspot

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



73.2218, 0.2841, 0.5241



87.3232, 0.2988, 0.3779



82.9522, 0.3709, 0.5300



18.3840, 0.2969, 0.3859



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.



73.2218, 0.2841, 0.5241



72.1596, 0.2885, 0.5576



76.9075, 0.2432, 0.3824



20.2600, 0.3073, 0.3459



37.6837, 0.2884, 0.5583



3.6877, 0.2822, 0.5359



# Inverse Universe

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



26.9470, 0.3963, 0.2070



24.5957, 0.4170, 0.2078



23.8945, 0.5543, 0.3013



18.1998, 0.3185, 0.3127



12.7891, 0.4175, 0.2074

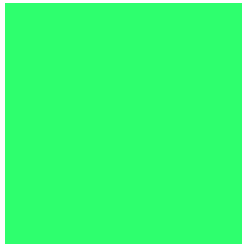


1.2648, 0.4038, 0.1998



# Previews

## White Background



This preview shows how the Yxy color 73.2266, 0.2841, 0.5241 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 73.2266, 0.2841, 0.5241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

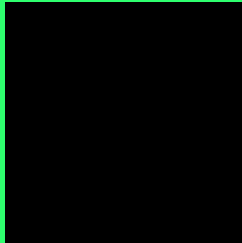
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.2266, 0.2841, 0.5241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2266, 0.2841, 0.5241.

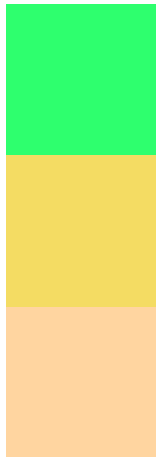


This preview shows how white text looks on a background with the Yxy color 73.2266, 0.2841, 0.5241.

# 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

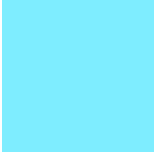
73.2266, 0.2841, 0.5241

### Protanopia

71.3203, 0.4108, 0.4497

### Deuteranopia

71.3866, 0.3837, 0.3837



## **Tritanopia**

72.2240, 0.2426, 0.3077

# Trichromacy



## Original Color

73.2266, 0.2841, 0.5241



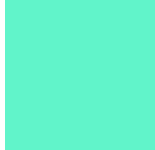
## Protanomaly

68.0278, 0.3471, 0.4858



## Deuteranomaly

67.0235, 0.3324, 0.4350



## Tritanomaly

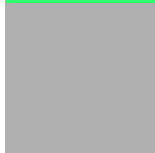
71.5070, 0.2569, 0.3832

# Monochromacy



## Original Color

73.2266, 0.2841, 0.5241



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

50.5968, 0.2931, 0.4058

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2266, 0.2841, 0.5241 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(46, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 110)  
}
```

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(46, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2266, 0.2841, 0.5241 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(46, 255, 110) }
```

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

```
.border{ border-color:rgb(46, 255, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2266, 0.2841, 0.5241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 110) }
```

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

```
.background{ background-color: rgb(46, 255,  
110) }
```

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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