

Converting Colors

$Yxy(73.4494, 0.2835, 0.5181)$

Have a look what the booklet for
Yxy(73.4494, 0.2835, 0.5181)
contains.

Yxy(73.4387, 0.2837, 0.5187)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.4387, 0.2837, 0.5187)

Conversions

Conversions Part 1

Format	Color
Hex	33FF72
RGB	51, 255, 114
RGB Percent	20%, 100%, 45%
CMY	0.7995, 0.0000, 0.5529
CMYK	0.80, 0.00, 0.55, 0.00
HSL	139°, 100%, 60%
HSV	139°, 80%, 100%
XYZ	40.1669, 73.4387, 27.9766
YIQ	177.9300, -76.3230, -87.0990

Conversions

Conversions Part 2

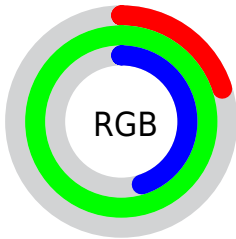
Format	Color
RYB	51, 207, 255
Decimal	3407730
CIELab	88.66, -75.89, 53.29
CIELCh	89, 92.735, 144.921
Yxy	73.4387, 0.2837, 0.5187
Android (android.graphics.Color)	4281597810 (0xFF33FF72)
YUV	177.9300, -31.5175, -111.3176
Hunter-Lab	85.6964, -66.3037, 40.6315

Details

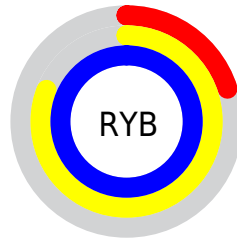
The Yxy color **73.4387, 0.2837, 0.5187** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.4497, 0.3939, 0.2081**, and the grayscale version is **44.7023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2099, 0.2880, 0.4363**, and **40.2587, 0.2887, 0.5592** is the 20% darker color. If you saturate the color by 10%, you get **72.5857, 0.2858, 0.5415**, and if you desaturate by 10%, it is **74.7379, 0.2833, 0.4932**.

Distribution



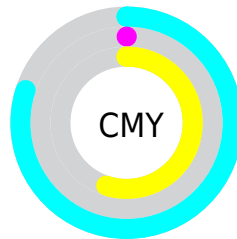
- Red (20%)
- Green (100%)
- Blue (45%)



- Red (20%)
- Yellow (81%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4387, 0.2837, 0.5187 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 73.4387, 0.2837, 0.5187 by changing the saturation by 10% instead.


 73.4387, 0.2837,
0.5187

 73.4387, 0.2837,
0.5187


472.5339, 0.3026,
0.4231

 54.3348, 0.2778,
0.5420


 124.0998, 0.2915,
0.4843


 38.8694, 0.2697,
0.5712


 156.4258, 0.2942,
0.4712

 26.6581, 0.2581,
0.6086


 193.9278, 0.2963,
0.4601

 17.3166, 0.2408,
0.6574

 236.9904, 0.2980,
0.4506

 10.4605, 0.2137,
0.7219

285.9979, 0.2995,
0.4424

 5.7053, 0.1744,
0.8256

341.3347, 0.3007,

 2.6667, 0.0398,

0.4352

0.9602

403.3853, 0.3017,
0.4288

0.9603, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.4387, 0.2837,
0.5187

73.4387, 0.2837,
0.5187

72.5857, 0.2858,
0.5415

74.7379, 0.2833,
0.4932


72.0811, 0.2891,
0.5608


76.5304, 0.2846,
0.4664


72.0791, 0.2891,
0.5608

78.8664, 0.2874,
0.4395

81.7876, 0.2913,
0.4135

 85.3314, 0.2961,
0.3891

 89.5321, 0.3015,
0.3668

 94.4213, 0.3071,
0.3467

99.9998, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4387, 0.3832, 0.5291



73.4387, 0.2837, 0.5187



73.4387, 0.1971, 0.4124

Triad

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



73.4387, 0.2837, 0.5187



73.4387, 0.1589, 0.1766



73.4387, 0.5102, 0.3215

Complementary

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



73.4387, 0.2837, 0.5187



27.4497, 0.3939, 0.2081

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.



73.4387, 0.4255, 0.2560



73.4387, 0.2837, 0.5187



73.4387, 0.2158, 0.1770

Square

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



73.4387, 0.2837, 0.5187



73.4387, 0.1366, 0.2095



73.4387, 0.3104, 0.2048



73.4387, 0.5230, 0.3936

Rectangle

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



73.4387, 0.2837, 0.5187



73.4387, 0.1593, 0.3257



73.4387, 0.3104, 0.2048



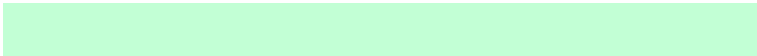
73.4387, 0.4889, 0.2987

Sweetspot

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



73.4417, 0.2837, 0.5187



87.7505, 0.2993, 0.3755



83.2076, 0.3709, 0.5270



18.4662, 0.2974, 0.3836



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.



73.4417, 0.2837, 0.5187



72.2528, 0.2877, 0.5536



77.0933, 0.2435, 0.3808



20.2604, 0.3073, 0.3459



37.6863, 0.2883, 0.5580



3.6880, 0.2821, 0.5356

Inverse Universe

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



27.4497, 0.3939, 0.2081



24.7565, 0.4150, 0.2074



24.4094, 0.5460, 0.3005



18.1994, 0.3186, 0.3127



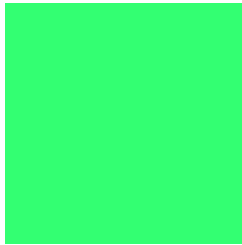
12.7821, 0.4181, 0.2077



1.2641, 0.4042, 0.2000

Previews

White Background



This preview shows how the Yxy color 73.4387, 0.2837, 0.5187 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 73.4387, 0.2837, 0.5187 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 73.4387, 0.2837, 0.5187

Background



This preview shows how black text looks on a background with the Yxy color 73.4387, 0.2837, 0.5187.

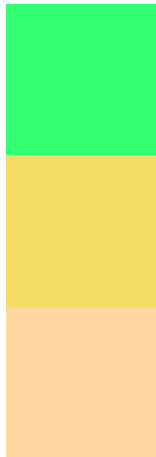


This preview shows how white text looks on a background with the Yxy color 73.4387, 0.2837, 0.5187.

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

73.4387, 0.2837, 0.5187

Protanopia

71.9253, 0.4081, 0.4473

Deuteranopia

71.4571, 0.3822, 0.3817



Tritanopia

73.0362, 0.2440, 0.3090

Trichromacy



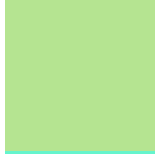
Original Color

73.4387, 0.2837, 0.5187



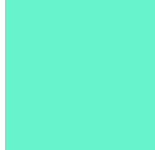
Protanomaly

68.3380, 0.3466, 0.4809



Deuteranomaly

67.3549, 0.3321, 0.4309



Tritanomaly

71.8277, 0.2574, 0.3803

Monochromacy



Original Color

73.4387, 0.2837, 0.5187



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.4147, 0.2933, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4387, 0.2837, 0.5187 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 114) }
```

Border

The CSS property to change the border of an element to Yxy 73.4387, 0.2837, 0.5187 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, 114) }
```

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

```
.border{ border-color:rgb(51, 255, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
114) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 73.4387, 0.2837, 0.5187$ 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, 114) }
```

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

```
.background{ background-color: rgb(51, 255,  
114) }
```

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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