

Converting Colors

$Y_{xy}(73.6392, 0.2806, 0.5081)$

Have a look what the booklet for
Yxy(73.6392, 0.2806, 0.5081)
contains.

Yxy(73.6289, 0.2807, 0.5087)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.6289, 0.2807, 0.5087)

Conversions

Conversions Part 1

Format	Color
Hex	33FF7A
RGB	51, 255, 122
RGB Percent	20%, 100%, 48%
CMY	0.8010, 0.0000, 0.5216
CMYK	0.80, 0.00, 0.52, 0.00
HSL	141°, 100%, 60%
HSV	141°, 80%, 100%
XYZ	40.6283, 73.6289, 30.4821
YIQ	178.8420, -78.8910, -84.6110

Conversions

Conversions Part 2

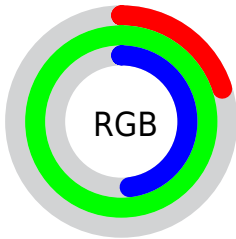
Format	Color
RYB	51, 202, 255
Decimal	3407738
CIELab	88.75, -74.85, 49.76
CIELCh	89, 89.881, 146.382
Yxy	73.6289, 0.2807, 0.5087
Android (android.graphics.Color)	4281597818 (0xFF33FF7A)
YUV	178.8420, -28.0231, -112.1174
Hunter-Lab	85.8073, -65.6459, 39.0030

Details

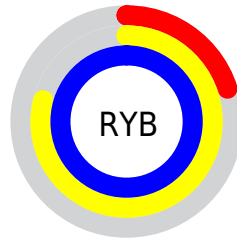
The Yxy color **73.6289, 0.2807, 0.5087** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.0554, 0.4056, 0.2150**, and the grayscale version is **45.1312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5196, 0.2841, 0.4259**, and **40.3622, 0.2854, 0.5475** is the 20% darker color. If you saturate the color by 10%, you get **72.7579, 0.2828, 0.5312**, and if you desaturate by 10%, it is **74.9191, 0.2804, 0.4841**.

Distribution



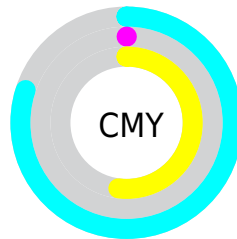
- Red (20%)
- Green (100%)
- Blue (48%)



- Red (20%)
- Yellow (79%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6289, 0.2807, 0.5087 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 73.6289, 0.2807, 0.5087 by changing the saturation by 10% instead.


 73.6289, 0.2807,
0.5087


 73.6289, 0.2807,
0.5087


473.1916, 0.3004,
0.4182


 54.4904, 0.2749,
0.5308

 124.3696, 0.2886,
0.4760

 38.9938, 0.2669,
0.5587


 156.7406, 0.2913,
0.4637

 26.7549, 0.2557,
0.5946


 194.2911, 0.2936,
0.4532

 17.3893, 0.2391,
0.6419

 237.4057, 0.2954,
0.4442

 10.5124, 0.2134,
0.7054

286.4686, 0.2970,
0.4364

 5.7400, 0.1788,
0.8212


341.8643, 0.2983,

 2.6876, 0.0513,


0.4296


0.9487


403.9771, 0.2994,
0.4236


 0.9709, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.6289, 0.2807,
0.5087


 73.6289, 0.2807,
0.5087


 72.7579, 0.2828,
0.5312


 74.9191, 0.2804,
0.4841


 72.2406, 0.2863,
0.5506

 76.7035, 0.2818,
0.4586

 79.0223, 0.2849,
0.4331

 81.9164, 0.2892,
0.4086

 85.4229, 0.2944,
0.3858

 89.5753, 0.3003,
0.3648

 94.4050, 0.3064,
0.3459

99.9411, 0.3127,
0.3292

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.



73.6289, 0.3779, 0.5249



73.6289, 0.2807, 0.5087



73.6289, 0.1973, 0.4035

Triad

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



73.6289, 0.2807, 0.5087



73.6289, 0.1644, 0.1797



73.6289, 0.5066, 0.3258

Complementary

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



73.6289, 0.2807, 0.5087



27.0554, 0.4056, 0.2150

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.



73.6289, 0.4272, 0.2610



73.6289, 0.2807, 0.5087



73.6289, 0.2222, 0.1813

Square

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



73.6289, 0.2807, 0.5087



73.6289, 0.1409, 0.2105



73.6289, 0.3160, 0.2098



73.6289, 0.5163, 0.3969

Rectangle

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



73.6289, 0.2807, 0.5087



73.6289, 0.1614, 0.3207



73.6289, 0.3160, 0.2098



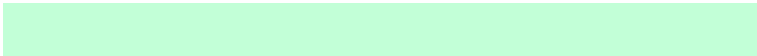
73.6289, 0.4870, 0.3033

Sweetspot

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



73.6224, 0.2807, 0.5087



87.8769, 0.2979, 0.3727



82.3109, 0.3663, 0.5306



18.4961, 0.2959, 0.3802



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.



73.6224, 0.2807, 0.5087



72.4230, 0.2848, 0.5431



77.4354, 0.2408, 0.3718



20.2728, 0.3068, 0.3449



37.7726, 0.2854, 0.5476



3.6975, 0.2791, 0.5248

Inverse Universe

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



27.0554, 0.4056, 0.2150



24.3686, 0.4301, 0.2158



24.2580, 0.5560, 0.3062



18.1864, 0.3192, 0.3136



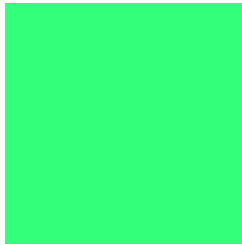
12.5775, 0.4338, 0.2163



1.2453, 0.4175, 0.2074

Previews

White Background



This preview shows how the Yxy color 73.6289, 0.2807, 0.5087 looks on a white background.

Color Contrast Check

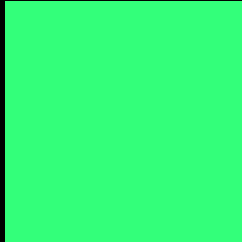
Large Text (above 18pt) WCAG AA × Fail

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 73.6289, 0.2807, 0.5087 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 73.6289, 0.2807, 0.5087

Background



This preview shows how black text looks on a background with the Yxy color 73.6289, 0.2807, 0.5087.

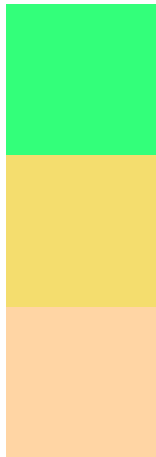


This preview shows how white text looks on a background with the Yxy color 73.6289, 0.2807, 0.5087.

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

73.6289, 0.2807, 0.5087

Protanopia

72.0718, 0.4042, 0.4415

Deuteranopia

71.5288, 0.3807, 0.3796



Tritanopia

73.1149, 0.2444, 0.3090

Trichromacy



Original Color

73.6289, 0.2807, 0.5087



Protanomaly

68.4914, 0.3431, 0.4735



Deuteranomaly

67.4805, 0.3297, 0.4260



Tritanomaly

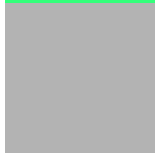
71.9731, 0.2560, 0.3762

Monochromacy



Original Color

73.6289, 0.2807, 0.5087



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

51.9998, 0.2915, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6289, 0.2807, 0.5087 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 73.6289, 0.2807, 0.5087 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, 122) }
```

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

```
.border{ border-color:rgb(51, 255, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6289, 0.2807, 0.5087 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, 122) }
```

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

```
.background{ background-color: rgb(51, 255,  
122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor