

Converting Colors

$Yxy(73.9531, 0.2793, 0.4693)$

Have a look what the booklet for
Yxy(73.9531, 0.2793, 0.4693)
contains.

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Color

Yxy(73.6587, 0.2791, 0.4692)

Conversions

Conversions Part 1

Format	Color
Hex	55FC93
RGB	85, 252, 147
RGB Percent	33%, 99%, 58%
CMY	0.6671, 0.0117, 0.4235
CMYK	0.66, 0.00, 0.42, 0.01
HSL	142°, 97%, 66%
HSV	142°, 66%, 99%
XYZ	43.8153, 73.6587, 39.5138
YIQ	190.0970, -65.8270, -68.0590

Conversions

Conversions Part 2

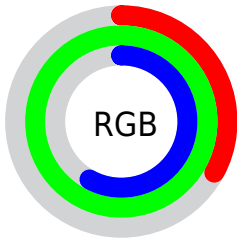
Format	Color
RYB	85, 207, 252
Decimal	5635219
CIELab	88.76, -65.31, 37.97
CIELCh	89, 75.541, 149.829
Yxy	73.6587, 0.2791, 0.4692
Android (android.graphics.Color)	4283825299 (0xFF55FC93)
YUV	190.0970, -21.2468, -92.1701
Hunter-Lab	85.8246, -59.0651, 32.7800

Details

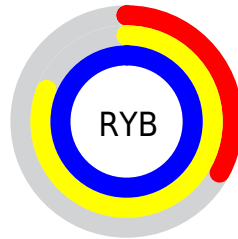
The Yxy color **73.6587, 0.2791, 0.4692** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **30.8891, 0.3890, 0.2281**, and the grayscale version is **51.6877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3636, 0.2816, 0.3918**, and **39.4098, 0.2735, 0.5048** is the 20% darker color. If you saturate the color by 10%, you get **72.2233, 0.2786, 0.4936**, and if you desaturate by 10%, it is **75.5881, 0.2813, 0.4444**.

Distribution



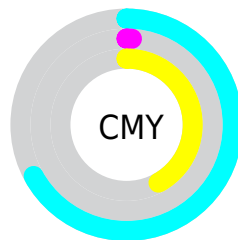
- Red (33%)
- Green (99%)
- Blue (58%)



- Red (33%)
- Yellow (81%)
- Blue (99%)



- Cyan (66%)
- Magenta (0%)
- Yellow (42%)
- Black (1%)




- Cyan (67%)
- Magenta (1%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6587, 0.2791, 0.4692 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 73.6587, 0.2791, 0.4692 by changing the saturation by 10% instead.


 73.6587, 0.2791,
0.4692


 73.6587, 0.2791,
0.4692


473.2946, 0.2976,
0.3992


 54.5147, 0.2741,
0.4864

 124.4119, 0.2861,
0.4439

 39.0133, 0.2675,
0.5081


 156.7899, 0.2887,
0.4344

 26.7701, 0.2585,
0.5365


 194.3480, 0.2908,
0.4263

 17.4006, 0.2455,
0.5746

 237.4707, 0.2926,
0.4193

 10.5205, 0.2259,
0.6280

286.5423, 0.2941,
0.4133

 5.7454, 0.1942,
0.7059


341.9472, 0.2954,

 2.6909, 0.1237,

0.4080

0.8763


404.0698, 0.2966,
0.4033


 0.9726, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 73.6587, 0.2791,
0.4692


 73.6587, 0.2791,
0.4692


 72.2233, 0.2786,
0.4936


 75.5881, 0.2813,
0.4444

 71.2231, 0.2800,
0.5166

 78.0452, 0.2851,
0.4202

 70.5996, 0.2831,
0.5373


 81.0708, 0.2900,
0.3971

 70.4315, 0.2845,
0.5442

 84.6993, 0.2958,
0.3758

 88.9621, 0.3020,
0.3564

 93.8887, 0.3086,
0.3390

 98.1091, 0.3128,
0.3262

Harmonies

Analogous

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



73.6587, 0.3636, 0.4965



73.6587, 0.2791, 0.4692



73.6587, 0.2084, 0.3797

Triad

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



73.6587, 0.2791, 0.4692



73.6587, 0.1877, 0.1978



73.6587, 0.4809, 0.3369

Complementary

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



73.6587, 0.2791, 0.4692



30.8891, 0.3890, 0.2281

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.



73.6587, 0.4194, 0.2774



73.6587, 0.2791, 0.4692



73.6587, 0.2434, 0.2015

Square

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



73.6587, 0.2791, 0.4692



73.6587, 0.1631, 0.2233



73.6587, 0.3273, 0.2296



73.6587, 0.4855, 0.4009

Rectangle

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



73.6587, 0.2791, 0.4692



73.6587, 0.1783, 0.3135



73.6587, 0.3273, 0.2296



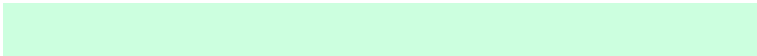
73.6587, 0.4661, 0.3163

Sweetspot

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



73.6617, 0.2791, 0.4692



89.6828, 0.2997, 0.3633



81.3247, 0.3608, 0.5070



18.9327, 0.2979, 0.3688



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.



73.6617, 0.2791, 0.4692



73.7517, 0.2789, 0.5024



77.2528, 0.2435, 0.3563



19.4159, 0.3065, 0.3443



36.7103, 0.2836, 0.5411



3.4197, 0.2770, 0.5172

Inverse Universe

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



30.8891, 0.3890, 0.2281



26.8892, 0.4121, 0.2191



28.2413, 0.5045, 0.3094



17.4087, 0.3195, 0.3142



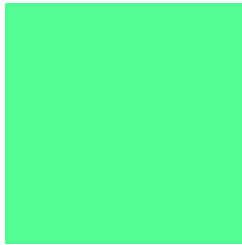
12.1018, 0.4428, 0.2213



1.1413, 0.4243, 0.2111

Previews

White Background



This preview shows how the Yxy color 73.6587, 0.2791, 0.4692 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 73.6587, 0.2791, 0.4692 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 73.6587, 0.2791, 0.4692

Background



This preview shows how black text looks on a background with the Yxy color 73.6587, 0.2791, 0.4692.

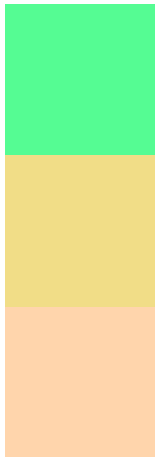


This preview shows how white text looks on a background with the Yxy color 73.6587, 0.2791, 0.4692.

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

73.6587, 0.2791, 0.4692

Protanopia

72.1629, 0.3866, 0.4195

Deuteranopia

71.8271, 0.3748, 0.3714



Tritanopia

72.9393, 0.2462, 0.3079

Trichromacy



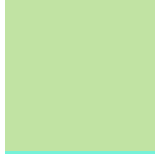
Original Color

73.6587, 0.2791, 0.4692



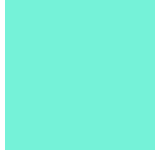
Protanomaly

69.7677, 0.3370, 0.4412



Deuteranomaly

68.9200, 0.3299, 0.4054



Tritanomaly

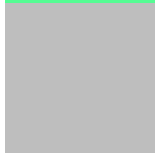
72.2440, 0.2575, 0.3614

Monochromacy



Original Color

73.6587, 0.2791, 0.4692



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.3199, 0.2950, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6587, 0.2791, 0.4692 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(85, 252, 147)` looks like.

```
.text, #text, p{  
  color:rgb(85, 252, 147)  
}
```

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(85, 252, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 252, 147) }
```

Border

The CSS property to change the border of an element to Yxy 73.6587, 0.2791, 0.4692 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(85, 252, 147) }
```

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

```
.border{ border-color:rgb(85, 252, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 252, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 252, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 252, 147);  
box-shadow:4px 4px 4px 4px rgb(85, 252,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6587, 0.2791, 0.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 252, 147) }
```

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

```
.background{ background-color: rgb(85, 252,  
147) }
```

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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