

Converting Colors

$Yxy(75.6204, 0.2891, 0.4897)$

Have a look what the booklet for
Yxy(75.6204, 0.2891, 0.4897)
contains.

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Color

Yxy(75.6188, 0.2893, 0.4900)

Conversions

Conversions Part 1

Format	Color
Hex	5FFF84
RGB	95, 255, 132
RGB Percent	37%, 100%, 52%
CMY	0.6272, 0.0000, 0.4825
CMYK	0.63, 0.00, 0.48, 0.00
HSL	134°, 100%, 69%
HSV	134°, 63%, 100%
XYZ	44.6460, 75.6188, 34.0593
YIQ	193.1380, -55.8770, -72.1730

Conversions

Conversions Part 2

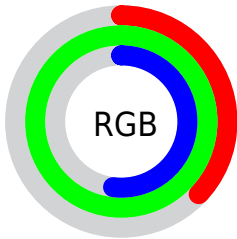
Format	Color
RYB	95, 225, 255
Decimal	6291332
CIELab	89.68, -66.85, 46.45
CIELCh	90, 81.403, 145.211
Yxy	75.6188, 0.2893, 0.4900
Android (android.graphics.Color)	4284481412 (0xFF5FFF84)
YUV	193.1380, -30.1410, -86.0670
Hunter-Lab	86.9591, -60.5341, 37.6492

Details

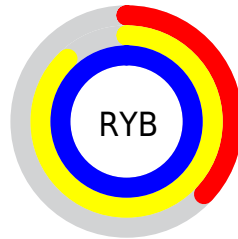
The Yxy color **75.6188, 0.2893, 0.4900** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **34.5201, 0.3569, 0.2124**, and the grayscale version is **53.6259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4788, 0.2932, 0.4097**, and **40.4970, 0.2814, 0.5331** is the 20% darker color. If you saturate the color by 10%, you get **73.9832, 0.2887, 0.5184**, and if you desaturate by 10%, it is **77.8059, 0.2913, 0.4605**.

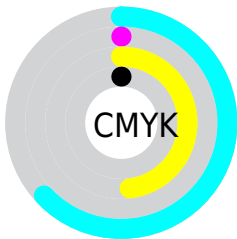
Distribution



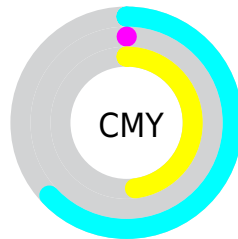
- Red (37%)
- Green (100%)
- Blue (52%)



- Red (37%)
- Yellow (88%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6188, 0.2893, 0.4900 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 75.6188, 0.2893, 0.4900 by changing the saturation by 10% instead.


 75.6188, 0.2893,
0.4900


 75.6188, 0.2893,
0.4900

480.0418, 0.3040,
0.4098


 56.1200, 0.2848,
0.5094


 127.1879, 0.2953,
0.4612

 40.2991, 0.2788,
0.5339


 160.0270, 0.2973,
0.4503

 27.7718, 0.2701,
0.5654


 198.0816, 0.2990,
0.4410

 18.1537, 0.2572,
0.6071

241.7362, 0.3004,
0.4330

 11.0604, 0.2369,
0.6637

291.3751, 0.3015,
0.4260

 6.1075, 0.2062,
0.7530


347.3827, 0.3025,


 2.9106, 0.1311,


0.4200


0.8689

410.1435, 0.3033,
0.4146


 1.0852, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6188, 0.2893,
0.4900


 75.6188, 0.2893,
0.4900


 73.9832, 0.2887,
0.5184


 77.8059, 0.2913,
0.4605


 72.8423, 0.2895,
0.5439


 80.5835, 0.2943,
0.4313

 72.1366, 0.2916,
0.5651

 83.9932, 0.2981,
0.4035

 71.8342, 0.2937,
0.5773

 88.0716, 0.3024,
0.3778

 92.8522, 0.3069,
0.3547

 98.3664, 0.3115,
0.3342

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.



75.6188, 0.3786, 0.5051



75.6188, 0.2893, 0.4900



75.6188, 0.2112, 0.4001

Triad

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



75.6188, 0.2893, 0.4900



75.6188, 0.1749, 0.1925



75.6188, 0.4857, 0.3259

Complementary

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



75.6188, 0.2893, 0.4900



34.5201, 0.3569, 0.2124

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.



75.6188, 0.4123, 0.2653



75.6188, 0.2893, 0.4900



75.6188, 0.2278, 0.1923

Square

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



75.6188, 0.2893, 0.4900



75.6188, 0.1540, 0.2238



75.6188, 0.3126, 0.2181



75.6188, 0.4991, 0.3924

Rectangle

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



75.6188, 0.2893, 0.4900



75.6188, 0.1762, 0.3271



75.6188, 0.3126, 0.2181



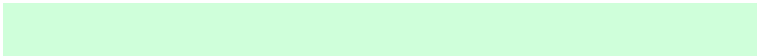
75.6188, 0.4669, 0.3048

Sweetspot

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



75.6207, 0.2893, 0.4900



89.7686, 0.3041, 0.3689



87.6166, 0.3763, 0.4888



18.9334, 0.3028, 0.3757



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.



75.6207, 0.2893, 0.4900



73.6820, 0.2887, 0.5245



78.5929, 0.2555, 0.3855



20.2368, 0.3084, 0.3478



37.5536, 0.2930, 0.5748



3.6723, 0.2873, 0.5543

Inverse Universe

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



34.5201, 0.3569, 0.2124



29.5948, 0.3684, 0.1989



31.3581, 0.4562, 0.2855



18.2244, 0.3174, 0.3109



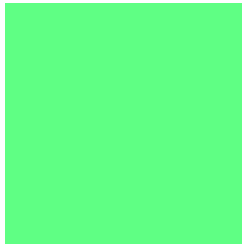
13.2189, 0.3897, 0.1921



1.3037, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 75.6188, 0.2893, 0.4900 looks on a white background.

Color Contrast Check

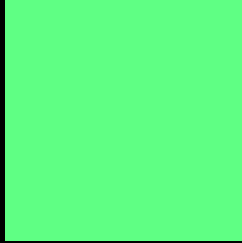
Large Text (above 18pt) WCAG AA × Fail

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 75.6188, 0.2893, 0.4900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

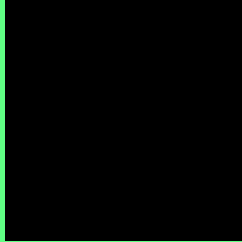
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.6188, 0.2893, 0.4900

Background



This preview shows how black text looks on a background with the Yxy color 75.6188, 0.2893, 0.4900.

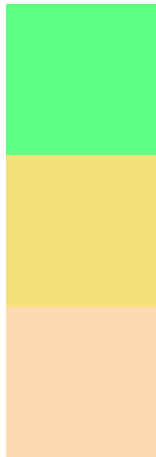


This preview shows how white text looks on a background with the Yxy color 75.6188, 0.2893, 0.4900.

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

75.6188, 0.2893, 0.4900

Protanopia

74.2846, 0.3978, 0.4338

Deuteranopia

73.9809, 0.3713, 0.3723



Tritanopia

74.8531, 0.2530, 0.3095

Trichromacy



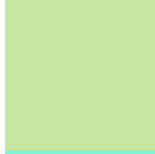
Original Color

75.6188, 0.2893, 0.4900



Protanomaly

71.9737, 0.3491, 0.4576



Deuteranomaly

71.5253, 0.3346, 0.4136



Tritanomaly

74.1003, 0.2663, 0.3709

Monochromacy



Original Color

75.6188, 0.2893, 0.4900



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.2201, 0.3003, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6188, 0.2893, 0.4900 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(95, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 132)  
}
```

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(95, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 132) }
```

Border

The CSS property to change the border of an element to Yxy 75.6188, 0.2893, 0.4900 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(95, 255, 132) }
```

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

```
.border{ border-color:rgb(95, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6188, 0.2893, 0.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 132) }
```

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

```
.background{ background-color: rgb(95, 255,  
132) }
```

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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