

Converting Colors

$Y_{xy}(75.6220, 0.2888, 0.4889)$

Have a look what the booklet for
Yxy(75.6220, 0.2888, 0.4889)
contains.

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Color

Yxy(75.6464, 0.2889, 0.4887)

Conversions

Conversions Part 1

Format	Color
Hex	5FFF85
RGB	95, 255, 133
RGB Percent	37%, 100%, 52%
CMY	0.6271, 0.0000, 0.4785
CMYK	0.63, 0.00, 0.48, 0.00
HSL	134°, 100%, 69%
HSV	134°, 63%, 100%
XYZ	44.7191, 75.6464, 34.4255
YIQ	193.2520, -56.1980, -71.8620

Conversions

Conversions Part 2

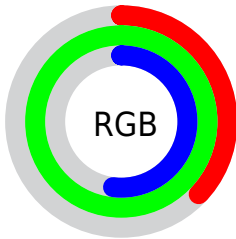
Format	Color
RYB	95, 224, 255
Decimal	6291333
CIELab	89.69, -66.70, 45.98
CIELCh	90, 81.011, 145.416
Yxy	75.6464, 0.2889, 0.4887
Android (android.graphics.Color)	4284481413 (0xFF5FFF85)
YUV	193.2520, -29.7042, -86.1670
Hunter-Lab	86.9749, -60.4284, 37.4149

Details

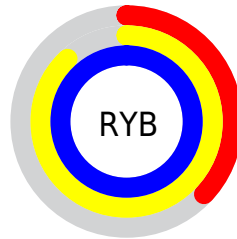
The Yxy color **75.6464, 0.2889, 0.4887** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **34.4778, 0.3580, 0.2132**, and the grayscale version is **53.7031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5218, 0.2927, 0.4084**, and **40.5117, 0.2810, 0.5316** is the 20% darker color. If you saturate the color by 10%, you get **74.0097, 0.2882, 0.5170**, and if you desaturate by 10%, it is **77.8358, 0.2909, 0.4594**.

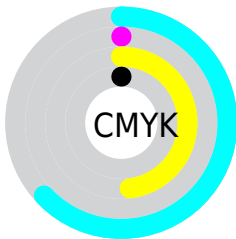
Distribution



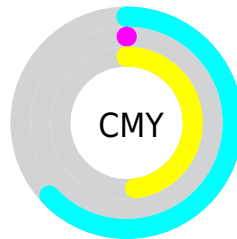
- Red (37%)
- Green (100%)
- Blue (52%)



- 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 75.6464, 0.2889, 0.4887 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 75.6464, 0.2889, 0.4887 by changing the saturation by 10% instead.


 75.6464, 0.2889,
0.4887

 75.6464, 0.2889,
0.4887


480.1364, 0.3038,
0.4092


 56.1426, 0.2844,
0.5080

 127.2270, 0.2949,
0.4601

 40.3173, 0.2784,
0.5323


 160.0725, 0.2970,
0.4493

 27.7860, 0.2697,
0.5636


 198.1341, 0.2987,
0.4401

 18.1644, 0.2569,
0.6050

241.7961, 0.3001,
0.4322

 11.0681, 0.2367,
0.6613

291.4429, 0.3012,
0.4253

 6.1127, 0.2060,
0.7493


347.4590, 0.3022,

 2.9137, 0.1323,


0.4192


0.8677


410.2287, 0.3030,
0.4139


 1.0868, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6464, 0.2889,
0.4887


 75.6464, 0.2889,
0.4887


 74.0097, 0.2882,
0.5170


 77.8358, 0.2909,
0.4594

 72.8654, 0.2891,
0.5425

 80.6131, 0.2940,
0.4304

 72.1554, 0.2913,
0.5638

 84.0210, 0.2978,
0.4028

 71.8490, 0.2934,
0.5761

 88.0959, 0.3022,
0.3774

 92.8712, 0.3068,
0.3545

 98.3782, 0.3115,
0.3341

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



75.6464, 0.3778, 0.5044



75.6464, 0.2889, 0.4887



75.6464, 0.2112, 0.3990

Triad

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



75.6464, 0.2889, 0.4887



75.6464, 0.1757, 0.1929



75.6464, 0.4851, 0.3265

Complementary

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



75.6464, 0.2889, 0.4887



34.4778, 0.3580, 0.2132

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.



75.6464, 0.4125, 0.2660



75.6464, 0.2889, 0.4887



75.6464, 0.2287, 0.1930

Square

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



75.6464, 0.2889, 0.4887



75.6464, 0.1547, 0.2239



75.6464, 0.3133, 0.2188



75.6464, 0.4982, 0.3928

Rectangle

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



75.6464, 0.2889, 0.4887



75.6464, 0.1765, 0.3265



75.6464, 0.3133, 0.2188



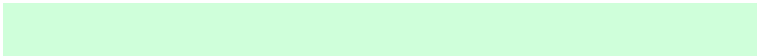
75.6464, 0.4666, 0.3054

Sweetspot

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



75.6495, 0.2889, 0.4887



89.7841, 0.3039, 0.3686



87.2038, 0.3744, 0.4898



18.9371, 0.3026, 0.3754



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.



75.6495, 0.2889, 0.4887



73.7070, 0.2883, 0.5231



78.7282, 0.2543, 0.3820



20.2387, 0.3083, 0.3477



37.5626, 0.2927, 0.5736



3.6734, 0.2869, 0.5529

Inverse Universe

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



34.4778, 0.3580, 0.2132



29.5366, 0.3698, 0.1999



31.2893, 0.4598, 0.2882



18.2224, 0.3174, 0.3110



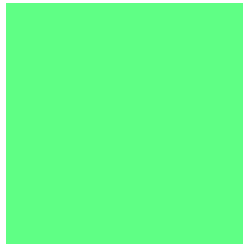
13.1824, 0.3918, 0.1932



1.3004, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 75.6464, 0.2889, 0.4887 looks on a white background.

Color Contrast Check

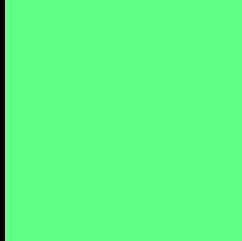
Large Text (above 18pt) WCAG AA × Fail

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 75.6464, 0.2889, 0.4887 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 75.6464, 0.2889, 0.4887

Background



This preview shows how black text looks on a background with the Yxy color 75.6464, 0.2889, 0.4887.

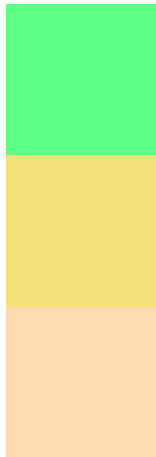


This preview shows how white text looks on a background with the Yxy color 75.6464, 0.2889, 0.4887.

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

75.6464, 0.2889, 0.4887

Protanopia

74.3093, 0.3972, 0.4329

Deuteranopia

73.9809, 0.3713, 0.3723



Tritanopia

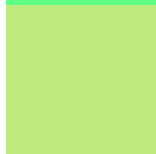
74.8531, 0.2530, 0.3095

Trichromacy



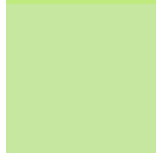
Original Color

75.6464, 0.2889, 0.4887



Protanomaly

71.9994, 0.3485, 0.4566



Deuteranomaly

71.5602, 0.3339, 0.4124



Tritanomaly

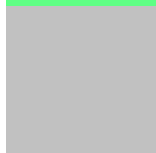
74.1503, 0.2658, 0.3697

Monochromacy



Original Color

75.6464, 0.2889, 0.4887



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 75.6464, 0.2889, 0.4887 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 133) }
```

Border

The CSS property to change the border of an element to Yxy 75.6464, 0.2889, 0.4887 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, 133) }
```

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

```
.border{ border-color:rgb(95, 255, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6464, 0.2889, 0.4887 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, 133) }
```

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

```
.background{ background-color: rgb(95, 255,  
133) }
```

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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