

Converting Colors

$Y_{xy}(75.9681, 0.2669, 0.4405)$

Have a look what the booklet for
Yxy(75.9681, 0.2669, 0.4405)
contains.

Yxy(75.9588, 0.2671, 0.4411)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(75.9588, 0.2671, 0.4411)

Conversions

Conversions Part 1

Format	Color
Hex	4CFFAA
RGB	76, 255, 170
RGB Percent	30%, 100%, 67%
CMY	0.7018, 0.0000, 0.3335
CMYK	0.70, 0.00, 0.33, 0.00
HSL	151°, 100%, 65%
HSV	151°, 70%, 100%
XYZ	45.9955, 75.9588, 50.2489
YIQ	191.7890, -79.3990, -64.3830

Conversions

Conversions Part 2

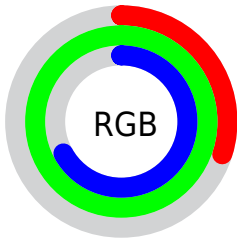
Format	Color
RYB	76, 193, 255
Decimal	5046186
CIELab	89.84, -63.66, 27.93
CIELCh	90, 69.514, 156.312
Yxy	75.9588, 0.2671, 0.4411
Android (android.graphics.Color)	4283236266 (0xFF4CFFAA)
YUV	191.7890, -10.7420, -101.5470
Hunter-Lab	87.1543, -58.3172, 26.8244

Details

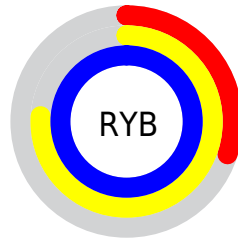
The Yxy color **75.9588, 0.2671, 0.4411** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **29.0103, 0.4334, 0.2501**, and the grayscale version is **52.6858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0307, 0.2672, 0.3627**, and **41.2169, 0.2635, 0.4686** is the 20% darker color. If you saturate the color by 10%, you get **74.6753, 0.2665, 0.4600**, and if you desaturate by 10%, it is **77.6988, 0.2698, 0.4222**.

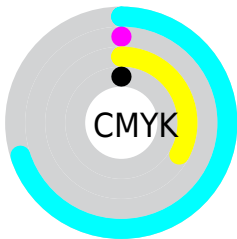
Distribution



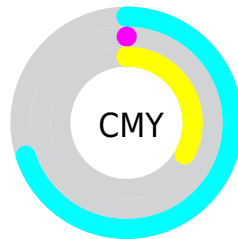
- Red (30%)
- Green (100%)
- Blue (67%)



- Red (30%)
- Yellow (76%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9588, 0.2671, 0.4411 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 75.9588, 0.2671, 0.4411 by changing the saturation by 10% instead.


 75.9588, 0.2671,
0.4411

 75.9588, 0.2671,
0.4411


481.2067, 0.2899,
0.3859

 56.3987, 0.2615,
0.4545

 127.6687, 0.2753,
0.4213

 40.5227, 0.2544,
0.4715


 160.5872, 0.2784,
0.4138

 27.9463, 0.2450,
0.4936


 198.7275, 0.2811,
0.4074

 18.2852, 0.2322,
0.5235

 242.4737, 0.2833,
0.4019

 11.1549, 0.2139,
0.5657

292.2103, 0.2853,
0.3971

 6.1711, 0.1861,
0.6288


348.3218, 0.2870,

 2.9494, 0.1361,


0.3929


0.7520


411.1924, 0.2885,
0.3892


 1.1054, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.9588, 0.2671,
0.4411


 75.9588, 0.2671,
0.4411


 74.6753, 0.2665,
0.4600

 77.6988, 0.2698,
0.4222


 73.7942, 0.2679,
0.4783

 79.9391, 0.2742,
0.4039

 73.2366, 0.2710,
0.4955

 82.7192, 0.2802,
0.3863

 86.0743, 0.2873,
0.3700

 90.0365, 0.2953,
0.3550

 94.6354, 0.3038,
0.3414

99.8988, 0.3126,
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.



75.9588, 0.3444, 0.4812



75.9588, 0.2671, 0.4411



75.9588, 0.2065, 0.3556

Triad

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



75.9588, 0.2671, 0.4411



75.9588, 0.2059, 0.2061



75.9588, 0.4719, 0.3508

Complementary

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



75.9588, 0.2671, 0.4411



29.0103, 0.4334, 0.2501

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.



75.9588, 0.4257, 0.2934



75.9588, 0.2671, 0.4411



75.9588, 0.2642, 0.2145

Square

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



75.9588, 0.2671, 0.4411



75.9588, 0.1764, 0.2243



75.9588, 0.3451, 0.2454



75.9588, 0.4662, 0.4104

Rectangle

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



75.9588, 0.2671, 0.4411



75.9588, 0.1826, 0.2985



75.9588, 0.3451, 0.2454



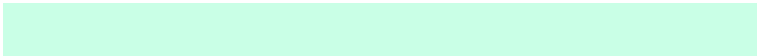
75.9588, 0.4620, 0.3310

Sweetspot

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



75.9591, 0.2671, 0.4411



89.6882, 0.2946, 0.3562



79.7801, 0.3441, 0.5271



18.9525, 0.2924, 0.3602



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.



75.9591, 0.2671, 0.4411



74.2945, 0.2668, 0.4671



78.3898, 0.2317, 0.3252



20.3275, 0.3044, 0.3405



38.2981, 0.2702, 0.4926



3.7510, 0.2646, 0.4726

Inverse Universe

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



29.0103, 0.4334, 0.2501



24.8025, 0.4701, 0.2483



27.3776, 0.5499, 0.3320



18.1308, 0.3219, 0.3178



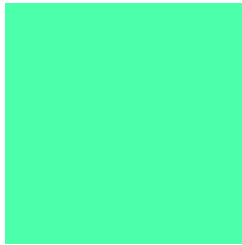
11.8620, 0.5070, 0.2567



1.1769, 0.4802, 0.2419

Previews

White Background



This preview shows how the Yxy color 75.9588, 0.2671, 0.4411 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 75.9588, 0.2671, 0.4411 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 75.9588, 0.2671, 0.4411

Background



This preview shows how black text looks on a background with the Yxy color 75.9588, 0.2671, 0.4411.

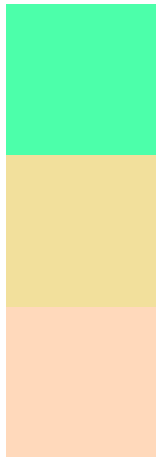


This preview shows how white text looks on a background with the Yxy color 75.9588, 0.2671, 0.4411.

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

75.9588, 0.2671, 0.4411

Protanopia

74.5889, 0.3723, 0.4009

Deuteranopia

74.4736, 0.3625, 0.3599



Tritanopia

75.1560, 0.2518, 0.3106

Trichromacy



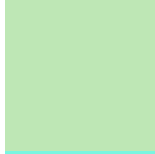
Original Color

75.9588, 0.2671, 0.4411



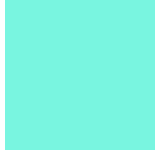
Protanomaly

71.9350, 0.3222, 0.4181



Deuteranomaly

71.4352, 0.3160, 0.3882



Tritanomaly

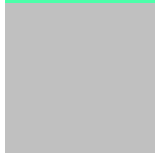
74.7516, 0.2561, 0.3545

Monochromacy



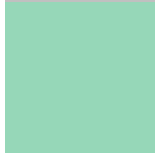
Original Color

75.9588, 0.2671, 0.4411



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.5456, 0.2876, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9588, 0.2671, 0.4411 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(76, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 170)  
}
```

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(76, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 75.9588, 0.2671, 0.4411 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(76, 255, 170) }
```

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

```
.border{ border-color:rgb(76, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9588, 0.2671, 0.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 170) }
```

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

```
.background{ background-color: rgb(76, 255,  
170) }
```

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