

Converting Colors

$Y_{xy}(75.6475, 0.2561, 0.4241)$

Have a look what the booklet for
Yxy(75.6475, 0.2561, 0.4241)
contains.

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Color

Yxy(75.6427, 0.2561, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	33FFB7
RGB	51, 255, 183
RGB Percent	20%, 100%, 72%
CMY	0.8007, 0.0000, 0.2822
CMYK	0.80, 0.00, 0.28, 0.00
HSL	159°, 100%, 60%
HSV	159°, 80%, 100%
XYZ	45.6674, 75.6427, 57.0084
YIQ	185.7960, -98.4720, -65.6400

Conversions

Conversions Part 2

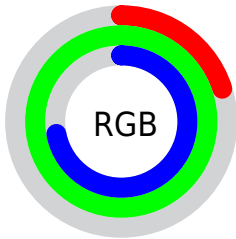
Format	Color
RYB	51, 175, 255
Decimal	3407799
CIELab	89.69, -63.96, 21.03
CIELCh	90, 67.329, 161.797
Yxy	75.6427, 0.2561, 0.4242
Android (android.graphics.Color)	4281597879 (0xFF33FFB7)
YUV	185.7960, -1.3784, -118.2161
Hunter-Lab	86.9728, -58.4763, 22.0179

Details

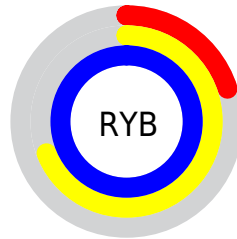
The Yxy color **75.6427, 0.2561, 0.4242** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **25.0356, 0.4993, 0.2719**, and the grayscale version is **48.9998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4978, 0.2550, 0.3475**, and **41.5442, 0.2569, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **74.7883, 0.2565, 0.4379**, and if you desaturate by 10%, it is **76.8758, 0.2577, 0.4104**.

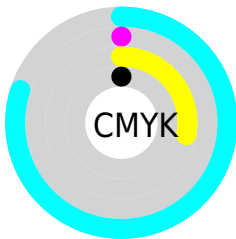
Distribution



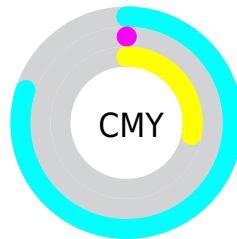
- Red (20%)
- Green (100%)
- Blue (72%)



- Red (20%)
- Yellow (69%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6427, 0.2561, 0.4242 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 75.6427, 0.2561, 0.4242 by changing the saturation by 10% instead.


 75.6427, 0.2561,
0.4242


 75.6427, 0.2561,
0.4242


480.1237, 0.2833,
0.3777


 56.1396, 0.2496,
0.4354


 127.2217, 0.2657,
0.4076

 40.3148, 0.2416,
0.4496


 160.0664, 0.2694,
0.4012

 27.7841, 0.2312,
0.4680


 198.1270, 0.2726,
0.3958

 18.1630, 0.2173,
0.4929

 241.7881, 0.2753,
0.3912

 11.0671, 0.1981,
0.5280

291.4338, 0.2777,
0.3872

 6.1120, 0.1700,
0.5809


347.4488, 0.2798,

 2.9133, 0.1180,

0.3836

0.6732

410.2173, 0.2817,
0.3805

 1.0866, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6427, 0.2561,
0.4242

 75.6427, 0.2561,
0.4242


 74.7883, 0.2565,
0.4379


 76.8758, 0.2577,
0.4104

 74.2410, 0.2587,
0.4512


 78.5510, 0.2614,
0.3967

 80.7087, 0.2670,
0.3834

 83.3873, 0.2741,
0.3708

 86.6214, 0.2826,
0.3590

 90.4425, 0.2920,
0.3480

 94.8795, 0.3021,
0.3381

99.9597, 0.3126,
0.3291

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.



75.6427, 0.3299, 0.4738



75.6427, 0.2561, 0.4242



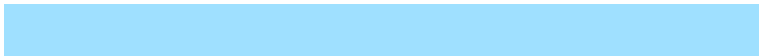
75.6427, 0.2017, 0.3390

Triad

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



75.6427, 0.2561, 0.4242



75.6427, 0.2170, 0.2088



75.6427, 0.4700, 0.3614

Complementary

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



75.6427, 0.2561, 0.4242



25.0356, 0.4993, 0.2719

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.



75.6427, 0.4338, 0.3043



75.6427, 0.2561, 0.4242



75.6427, 0.2788, 0.2213

Square

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



75.6427, 0.2561, 0.4242



75.6427, 0.1829, 0.2217



75.6427, 0.3595, 0.2551



75.6427, 0.4561, 0.4191

Rectangle

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



75.6427, 0.2561, 0.4242



75.6427, 0.1820, 0.2864



75.6427, 0.3595, 0.2551



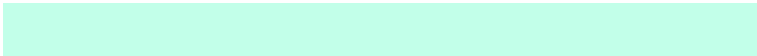
75.6427, 0.4635, 0.3420

Sweetspot

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



75.6390, 0.2561, 0.4242



88.8706, 0.2882, 0.3522



76.1686, 0.3290, 0.5579



18.7339, 0.2849, 0.3561



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

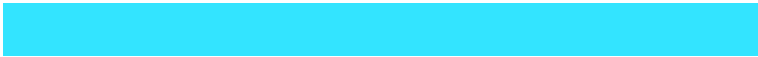
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6390, 0.2561, 0.4242



74.4398, 0.2577, 0.4459



63.2818, 0.2193, 0.2947



20.3663, 0.3027, 0.3375



38.8220, 0.2581, 0.4490



3.8007, 0.2538, 0.4336

Inverse Universe

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



25.0356, 0.4993, 0.2719



22.3349, 0.5503, 0.2826



26.9511, 0.5752, 0.3479



18.0928, 0.3239, 0.3207



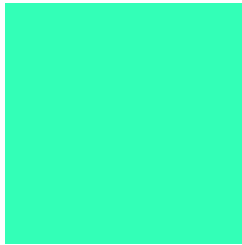
11.5190, 0.5574, 0.2844



1.1414, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 75.6427, 0.2561, 0.4242 looks on a white background.

Color Contrast Check

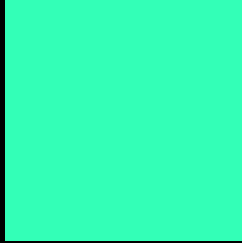
Large Text (above 18pt) WCAG AA × Fail

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 75.6427, 0.2561, 0.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

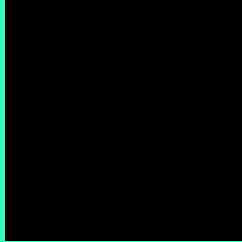
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

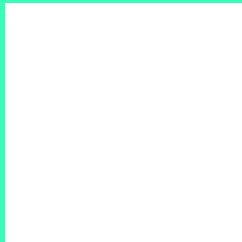
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6427, 0.2561, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 75.6427, 0.2561, 0.4242.

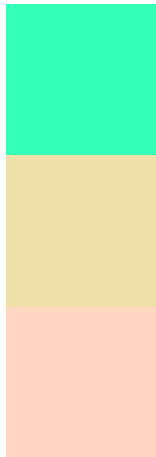


This preview shows how white text looks on a background with the Yxy color 75.6427, 0.2561, 0.4242.

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

75.6427, 0.2561, 0.4242

Protanopia

73.9532, 0.3621, 0.3878

Deuteranopia

73.7111, 0.3586, 0.3517



Tritanopia

75.2029, 0.2494, 0.3116

Trichromacy



Original Color

75.6427, 0.2561, 0.4242



Protanomaly

71.0917, 0.3079, 0.4050



Deuteranomaly

70.0915, 0.3051, 0.3782



Tritanomaly

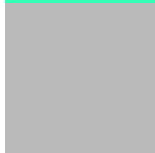
74.1501, 0.2490, 0.3485

Monochromacy



Original Color

75.6427, 0.2561, 0.4242



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.4097, 0.2785, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6427, 0.2561, 0.4242 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 75.6427, 0.2561, 0.4242 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, 183) }
```

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

```
.border{ border-color:rgb(51, 255, 183) }
```

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, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6427, 0.2561, 0.4242 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, 183) }
```

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

```
.background{ background-color: rgb(51, 255,  
183) }
```

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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