

Converting Colors

$Y_{xy}(75.8117, 0.2545, 0.4186)$

Have a look what the booklet for
Yxy(75.8117, 0.2545, 0.4186)
contains.

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Color

Yxy(75.8117, 0.2545, 0.4186)

Conversions

Conversions Part 1

Format	Color
Hex	33FFBB
RGB	51, 255, 187
RGB Percent	20%, 100%, 73%
CMY	0.8001, 0.0000, 0.2668
CMYK	0.80, 0.00, 0.27, 0.00
HSL	160°, 100%, 60%
HSV	160°, 80%, 100%
XYZ	46.0919, 75.8117, 59.2041
YIQ	186.2520, -99.7560, -64.3960

Conversions

Conversions Part 2

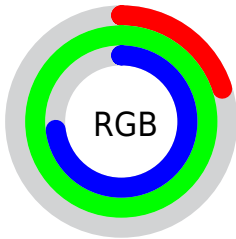
Format	Color
RYB	51, 173, 255
Decimal	3407803
CIELab	89.77, -63.09, 19.12
CIElCh	90, 65.924, 163.136
Yxy	75.8117, 0.2545, 0.4186
Android (android.graphics.Color)	4281597883 (0xFF33FFBB)
YUV	186.2520, 0.3688, -118.6160
Hunter-Lab	87.0699, -57.8804, 20.6341

Details

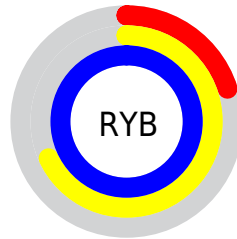
The Yxy color **75.8117, 0.2545, 0.4186** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.9583, 0.5052, 0.2756**, and the grayscale version is **49.2866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7369, 0.2533, 0.3427**, and **41.6537, 0.2548, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **74.9664, 0.2547, 0.4315**, and if you desaturate by 10%, it is **77.0383, 0.2563, 0.4056**.

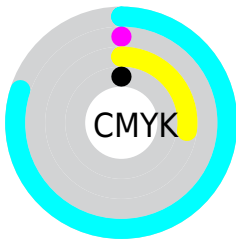
Distribution



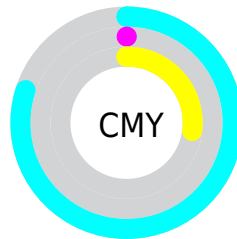
- Red (20%)
- Green (100%)
- Blue (73%)



- Red (20%)
- Yellow (68%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8117, 0.2545, 0.4186 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 75.8117, 0.2545, 0.4186 by changing the saturation by 10% instead.


 75.8117, 0.2545,
0.4186


 75.8117, 0.2545,
0.4186


480.7029, 0.2823,
0.3750


 56.2781, 0.2480,
0.4291


 127.4607, 0.2643,
0.4030

 40.4260, 0.2398,
0.4423


 160.3449, 0.2681,
0.3971

 27.8708, 0.2294,
0.4595


 198.4481, 0.2713,
0.3921

 18.2283, 0.2155,
0.4826

 242.1547, 0.2741,
0.3877

 11.1140, 0.1965,
0.5152

291.8491, 0.2765,
0.3839

 6.1436, 0.1688,
0.5641

347.9156, 0.2787,

 2.9326, 0.1195,

0.3806

0.6486

410.7388, 0.2806,
0.3776

■ 1.0966, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.8117, 0.2545,
0.4186

■ 75.8117, 0.2545,
0.4186

■ 74.9664, 0.2547,
0.4315

■ 77.0383, 0.2563,
0.4056

■ 74.4215, 0.2567,
0.4442


■ 78.7027, 0.2602,
0.3927

■ 80.8473, 0.2659,
0.3803

■ 83.5105, 0.2732,
0.3684

 86.7268, 0.2819,
0.3572

 90.5276, 0.2916,
0.3469

 94.9419, 0.3019,
0.3375

99.9967, 0.3127,
0.3290

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.



75.8117, 0.3265, 0.4695



75.8117, 0.2545, 0.4186



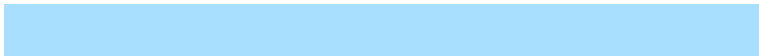
75.8117, 0.2021, 0.3353

Triad

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



75.8117, 0.2545, 0.4186



75.8117, 0.2210, 0.2110



75.8117, 0.4672, 0.3638

Complementary

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



75.8117, 0.2545, 0.4186



24.9583, 0.5052, 0.2756

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.



75.8117, 0.4338, 0.3074



75.8117, 0.2545, 0.4186



75.8117, 0.2828, 0.2243

Square

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



75.8117, 0.2545, 0.4186



75.8117, 0.1861, 0.2227



75.8117, 0.3622, 0.2583



75.8117, 0.4518, 0.4202

Rectangle

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



75.8117, 0.2545, 0.4186



75.8117, 0.1836, 0.2844



75.8117, 0.3622, 0.2583



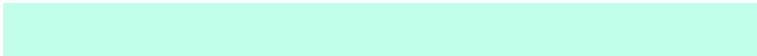
75.8117, 0.4615, 0.3446

Sweetspot

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



75.8103, 0.2545, 0.4186



88.9377, 0.2876, 0.3509



75.9250, 0.3272, 0.5591



18.7501, 0.2842, 0.3546



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

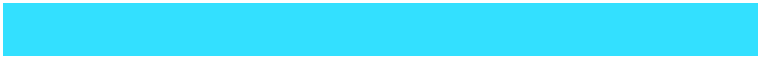
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8103, 0.2545, 0.4186



74.6177, 0.2558, 0.4391



61.4487, 0.2182, 0.2903



20.3724, 0.3025, 0.3370



38.9157, 0.2561, 0.4421



3.8094, 0.2521, 0.4276

Inverse Universe

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



24.9583, 0.5052, 0.2756



22.2510, 0.5575, 0.2867



27.4713, 0.5720, 0.3506



18.0870, 0.3242, 0.3211



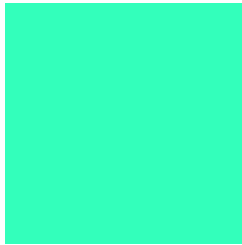
11.4763, 0.5646, 0.2884



1.1367, 0.5328, 0.2709

Previews

White Background



This preview shows how the Yxy color 75.8117, 0.2545, 0.4186 looks on a white background.

Color Contrast Check

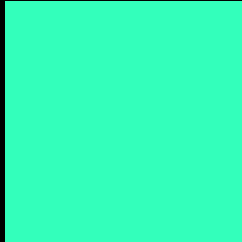
Large Text (above 18pt) WCAG AA × Fail

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 75.8117, 0.2545, 0.4186 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 75.8117, 0.2545, 0.4186

Background



This preview shows how black text looks on a background with the Yxy color 75.8117, 0.2545, 0.4186.



This preview shows how white text looks on a background with the Yxy color 75.8117, 0.2545, 0.4186.

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

75.8117, 0.2545, 0.4186

Protanopia

74.1046, 0.3594, 0.3835

Deuteranopia

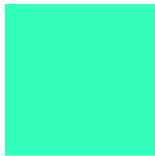
73.8464, 0.3564, 0.3486



Tritanopia

75.2910, 0.2498, 0.3116

Trichromacy



Original Color

75.8117, 0.2545, 0.4186



Protanomaly

71.2489, 0.3056, 0.3999



Deuteranomaly

70.2676, 0.3027, 0.3733



Tritanomaly

74.2692, 0.2489, 0.3472

Monochromacy



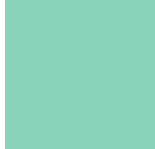
Original Color

75.8117, 0.2545, 0.4186



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.4521, 0.2779, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8117, 0.2545, 0.4186 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 75.8117, 0.2545, 0.4186 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, 187) }
```

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

```
.border{ border-color:rgb(51, 255, 187) }
```

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, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8117, 0.2545, 0.4186 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, 187) }
```

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

```
.background{ background-color: rgb(51, 255,  
187) }
```

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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