

Converting Colors

$Y_{xy}(75.4775, 0.2578, 0.4299)$

Have a look what the booklet for
Yxy(75.4775, 0.2578, 0.4299)
contains.

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Color

Yxy(75.4785, 0.2578, 0.4299)

Conversions

Conversions Part 1

Format	Color
Hex	33FFB3
RGB	51, 255, 179
RGB Percent	20%, 100%, 70%
CMY	0.7999, 0.0000, 0.2980
CMYK	0.80, 0.00, 0.30, 0.00
HSL	158°, 100%, 60%
HSV	158°, 80%, 100%
XYZ	45.2625, 75.4785, 54.8312
YIQ	185.3400, -97.1880, -66.8840

Conversions

Conversions Part 2

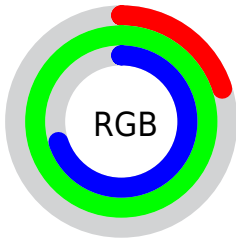
Format	Color
RYB	51, 176, 255
Decimal	3407795
CIELab	89.62, -64.79, 22.98
CIELCh	90, 68.745, 160.471
Yxy	75.4785, 0.2578, 0.4299
Android (android.graphics.Color)	4281597875 (0xFF33FFB3)
YUV	185.3400, -3.1256, -117.8162
Hunter-Lab	86.8784, -59.0409, 23.3954

Details

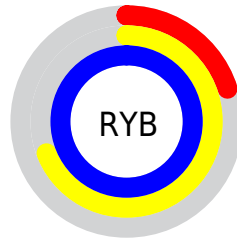
The Yxy color **75.4785, 0.2578, 0.4299** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **25.1625, 0.4925, 0.2679**, and the grayscale version is **48.7771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2640, 0.2567, 0.3522**, and **41.4389, 0.2589, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **74.6169, 0.2584, 0.4444**, and if you desaturate by 10%, it is **76.7306, 0.2593, 0.4152**.

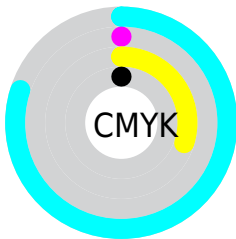
Distribution



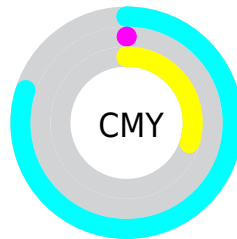
- Red (20%)
- Green (100%)
- Blue (70%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4785, 0.2578, 0.4299 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 75.4785, 0.2578, 0.4299 by changing the saturation by 10% instead.


 75.4785, 0.2578,
0.4299


 75.4785, 0.2578,
0.4299


479.5606, 0.2844,
0.3804


 56.0050, 0.2514,
0.4419


 126.9895, 0.2673,
0.4122

 40.2069, 0.2434,
0.4570


 159.7957, 0.2709,
0.4054

 27.6999, 0.2331,
0.4768


 197.8150, 0.2740,
0.3997

 18.0996, 0.2192,
0.5034

 241.4317, 0.2767,
0.3948

 11.0215, 0.1999,
0.5411

291.0302, 0.2790,
0.3905

 6.0813, 0.1713,
0.5979


346.9949, 0.2810,

 2.8946, 0.1167,


0.3867


0.7000


409.7103, 0.2828,
0.3834

 1.0769, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.4785, 0.2578,
0.4299

 75.4785, 0.2578,
0.4299


 74.6169, 0.2584,
0.4444

 76.7306, 0.2593,
0.4152

 74.0583, 0.2607,
0.4586

 78.4236, 0.2628,
0.4007

 74.0578, 0.2607,
0.4586

 80.6021, 0.2682,
0.3866

 83.3046, 0.2752,
0.3732

 86.5658, 0.2834,
0.3606

 90.4172, 0.2926,
0.3490

 94.8879, 0.3025,
0.3385

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.



75.4785, 0.3334, 0.4780



75.4785, 0.2578, 0.4299



75.4785, 0.2013, 0.3430

Triad

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



75.4785, 0.2578, 0.4299



75.4785, 0.2131, 0.2067



75.4785, 0.4728, 0.3590

Complementary

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



75.4785, 0.2578, 0.4299



25.1625, 0.4925, 0.2679

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.



75.4785, 0.4337, 0.3012



75.4785, 0.2578, 0.4299



75.4785, 0.2747, 0.2183

Square

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



75.4785, 0.2578, 0.4299



75.4785, 0.1797, 0.2209



75.4785, 0.3567, 0.2518



75.4785, 0.4604, 0.4179

Rectangle

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



75.4785, 0.2578, 0.4299



75.4785, 0.1804, 0.2884



75.4785, 0.3567, 0.2518



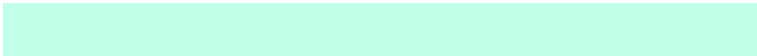
75.4785, 0.4655, 0.3393

Sweetspot

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



75.4792, 0.2578, 0.4299



88.8004, 0.2889, 0.3536



76.4432, 0.3308, 0.5564



18.7169, 0.2856, 0.3577



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.



75.4792, 0.2578, 0.4299



74.2587, 0.2597, 0.4530



65.1898, 0.2205, 0.2992



20.3599, 0.3030, 0.3380



38.7267, 0.2601, 0.4562



3.7918, 0.2556, 0.4400

Inverse Universe

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



25.1625, 0.4925, 0.2679



22.4290, 0.5425, 0.2783



26.5071, 0.5776, 0.3453



18.0990, 0.3235, 0.3202



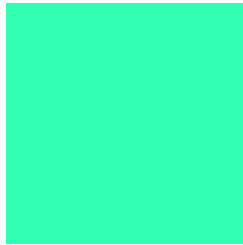
11.5670, 0.5495, 0.2801



1.1465, 0.5185, 0.2630

Previews

White Background



This preview shows how the Yxy color 75.4785, 0.2578, 0.4299 looks on a white background.

Color Contrast Check

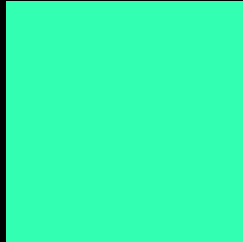
Large Text (above 18pt) WCAG AA × Fail

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 75.4785, 0.2578, 0.4299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

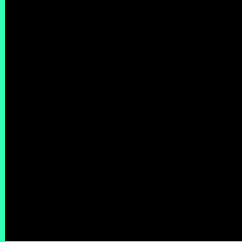
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.4785, 0.2578, 0.4299

Background



This preview shows how black text looks on a background with the Yxy color 75.4785, 0.2578, 0.4299.



This preview shows how white text looks on a background with the Yxy color 75.4785, 0.2578, 0.4299.

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

75.4785, 0.2578, 0.4299

Protanopia

73.8064, 0.3649, 0.3921

Deuteranopia

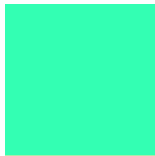
73.5786, 0.3608, 0.3548



Tritanopia

74.5285, 0.2488, 0.3104

Trichromacy



Original Color

75.4785, 0.2578, 0.4299



Protanomaly

70.9392, 0.3102, 0.4100



Deuteranomaly

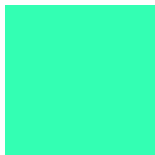
69.9626, 0.3069, 0.3819



Tritanomaly

74.0390, 0.2499, 0.3510

Monochromacy



Original Color

75.4785, 0.2578, 0.4299



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.7463, 0.2789, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4785, 0.2578, 0.4299 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 75.4785, 0.2578, 0.4299 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, 179) }
```

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

```
.border{ border-color:rgb(51, 255, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4785, 0.2578, 0.4299 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, 179) }
```

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

```
.background{ background-color: rgb(51, 255,  
179) }
```

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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