

Converting Colors

$Y_{xy}(75.7282, 0.2589, 0.4284)$

Have a look what the booklet for
Yxy(75.7282, 0.2589, 0.4284)
contains.

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Color

Yxy(75.7451, 0.2589, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	3BFFB4
RGB	59, 255, 180
RGB Percent	23%, 100%, 71%
CMY	0.7680, 0.0000, 0.2942
CMYK	0.77, 0.00, 0.29, 0.00
HSL	157°, 100%, 62%
HSV	157°, 77%, 100%
XYZ	45.8080, 75.7451, 55.3801
YIQ	187.8460, -92.7410, -64.8770

Conversions

Conversions Part 2

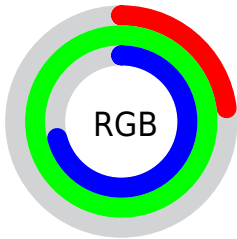
Format	Color
RYB	59, 180, 255
Decimal	3932084
CIELab	89.74, -63.76, 22.66
CIELCh	90, 67.671, 160.432
Yxy	75.7451, 0.2589, 0.4281
Android (android.graphics.Color)	4282122164 (0xFF3BFFB4)
YUV	187.8460, -3.8681, -112.9979
Hunter-Lab	87.0317, -58.3542, 23.1947

Details

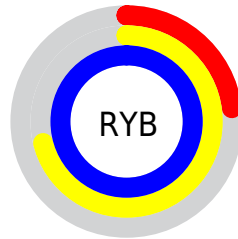
The Yxy color **75.7451, 0.2589, 0.4281** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **26.1307, 0.4788, 0.2655**, and the grayscale version is **50.2872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6445, 0.2579, 0.3510**, and **41.4648, 0.2584, 0.4503** is the 20% darker color. If you saturate the color by 10%, you get **74.7635, 0.2589, 0.4431**, and if you desaturate by 10%, it is **77.1411, 0.2610, 0.4130**.

Distribution



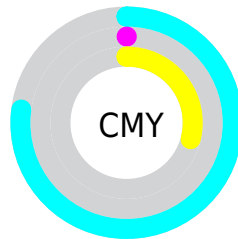
- Red (23%)
- Green (100%)
- Blue (71%)



- Red (23%)
- Yellow (71%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (77%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7451, 0.2589, 0.4281 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 75.7451, 0.2589, 0.4281 by changing the saturation by 10% instead.


 75.7451, 0.2589,
0.4281

 75.7451, 0.2589,
0.4281


480.4747, 0.2850,
0.3795


 56.2235, 0.2527,
0.4398


 127.3665, 0.2682,
0.4107

 40.3822, 0.2448,
0.4547


 160.2352, 0.2717,
0.4041

 27.8366, 0.2347,
0.4740


 198.3216, 0.2747,
0.3985

 18.2025, 0.2212,
0.5000

 242.0102, 0.2773,
0.3937

 11.0955, 0.2023,
0.5369

291.6855, 0.2796,
0.3894

 6.1311, 0.1744,
0.5923


347.7317, 0.2816,

 2.9250, 0.1228,


0.3857


0.6898


410.5333, 0.2834,
0.3825


 1.0927, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.7451, 0.2589,
0.4281


 75.7451, 0.2589,
0.4281

 74.7635, 0.2589,
0.4431


 77.1411, 0.2610,
0.4130

 74.1251, 0.2609,
0.4578

 78.9919, 0.2650,
0.3981


 73.9639, 0.2618,
0.4624

 81.3425, 0.2709,
0.3838

 84.2301, 0.2782,
0.3702

 87.6883, 0.2867,
0.3576

 91.7478, 0.2960,
0.3460

 96.4371, 0.3058,
0.3355

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



75.7451, 0.3335, 0.4754



75.7451, 0.2589, 0.4281



75.7451, 0.2030, 0.3430

Triad

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



75.7451, 0.2589, 0.4281



75.7451, 0.2145, 0.2084



75.7451, 0.4702, 0.3588

Complementary

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



75.7451, 0.2589, 0.4281



26.1307, 0.4788, 0.2655

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.



75.7451, 0.4316, 0.3017



75.7451, 0.2589, 0.4281



75.7451, 0.2753, 0.2198

Square

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



75.7451, 0.2589, 0.4281



75.7451, 0.1815, 0.2226



75.7451, 0.3559, 0.2528



75.7451, 0.4583, 0.4169

Rectangle

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



75.7451, 0.2589, 0.4281



75.7451, 0.1824, 0.2894



75.7451, 0.3559, 0.2528



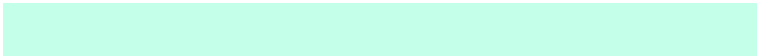
75.7451, 0.4629, 0.3393

Sweetspot

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



75.7481, 0.2589, 0.4281



89.1595, 0.2901, 0.3531



76.9234, 0.3318, 0.5498



18.7842, 0.2868, 0.3574



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.



75.7481, 0.2589, 0.4281



74.3948, 0.2597, 0.4508



65.9527, 0.2222, 0.3005



20.3566, 0.3031, 0.3383



38.6787, 0.2611, 0.4600



3.7874, 0.2565, 0.4434

Inverse Universe

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



26.1307, 0.4788, 0.2655



22.9059, 0.5268, 0.2722



27.6137, 0.5647, 0.3461



18.1022, 0.3234, 0.3199



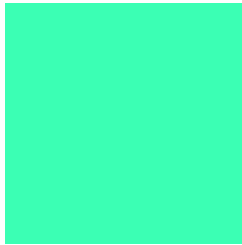
11.5932, 0.5453, 0.2778



1.1493, 0.5146, 0.2608

Previews

White Background



This preview shows how the Yxy color 75.7451, 0.2589, 0.4281 looks on a white background.

Color Contrast Check

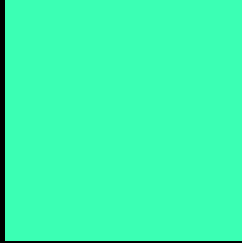
Large Text (above 18pt) WCAG AA × Fail

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 75.7451, 0.2589, 0.4281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

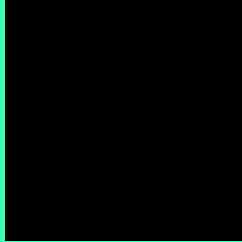
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7451, 0.2589, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 75.7451, 0.2589, 0.4281.

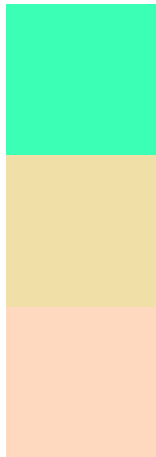


This preview shows how white text looks on a background with the Yxy color 75.7451, 0.2589, 0.4281.

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

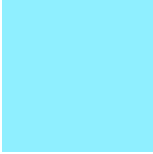
75.7451, 0.2589, 0.4281

Protanopia

74.0538, 0.3643, 0.3898

Deuteranopia

74.1775, 0.3591, 0.3537



Tritanopia

74.7926, 0.2501, 0.3105

Trichromacy



Original Color

75.7451, 0.2589, 0.4281



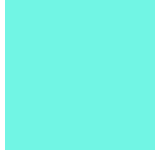
Protanomaly

71.3556, 0.3110, 0.4071



Deuteranomaly

70.4148, 0.3077, 0.3792



Tritanomaly

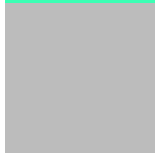
74.4170, 0.2512, 0.3497

Monochromacy



Original Color

75.7451, 0.2589, 0.4281



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.2525, 0.2810, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7451, 0.2589, 0.4281 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(59, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(59, 255, 180)  
}
```

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(59, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 255, 180) }
```

Border

The CSS property to change the border of an element to Yxy 75.7451, 0.2589, 0.4281 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(59, 255, 180) }
```

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

```
.border{ border-color:rgb(59, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(59, 255,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7451, 0.2589, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 255, 180) }
```

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

```
.background{ background-color: rgb(59, 255,  
180) }
```

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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