

Converting Colors

$Y_{xy}(75.3999, 0.2538, 0.4232)$

Have a look what the booklet for
Yxy(75.3999, 0.2538, 0.4232)
contains.

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Color

Yxy(75.3928, 0.2538, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	26FFB8
RGB	38, 255, 184
RGB Percent	15%, 100%, 72%
CMY	0.8519, 0.0000, 0.2785
CMYK	0.85, 0.00, 0.28, 0.00
HSL	160°, 100%, 57%
HSV	160°, 85%, 100%
XYZ	45.2036, 75.3928, 57.5108
YIQ	182.0230, -106.5410, -68.0850

Conversions

Conversions Part 2

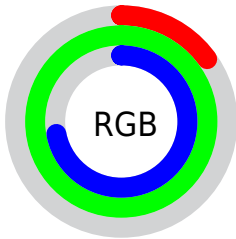
Format	Color
R _Y B	38, 168, 255
Decimal	2555832
CIE Lab	89.58, -64.79, 20.36
CIE LCh	90, 67.911, 162.554
Yxy	75.3928, 0.2538, 0.4233
Android (android.graphics.Color)	4280745912 (0xFF26FFB8)
YUV	182.0230, 0.9747, -126.3082
Hunter-Lab	86.8290, -59.0228, 21.5098

Details

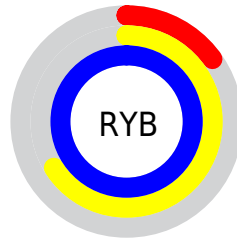
The Yxy color **75.3928, 0.2538, 0.4233** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **23.7313, 0.5253, 0.2791**, and the grayscale version is **46.7906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1712, 0.2527, 0.3463**, and **41.5712, 0.2564, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **74.7211, 0.2550, 0.4358**, and if you desaturate by 10%, it is **76.4061, 0.2546, 0.4106**.

Distribution



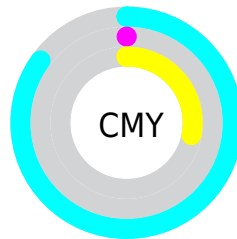
- Red (15%)
- Green (100%)
- Blue (72%)



- Red (15%)
- Yellow (66%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3928, 0.2538, 0.4233 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 75.3928, 0.2538, 0.4233 by changing the saturation by 10% instead.


 75.3928, 0.2538,
0.4233

 75.3928, 0.2538,
0.4233


479.2666, 0.2821,
0.3772

 55.9347, 0.2471,
0.4344

 126.8682, 0.2638,
0.4068


 40.1506, 0.2388,
0.4485

 159.6544, 0.2676,
0.4006

 27.6560, 0.2281,
0.4667


 197.6521, 0.2709,
0.3952

 18.0665, 0.2138,
0.4913

 241.2456, 0.2737,
0.3906

 10.9977, 0.1942,
0.5261

290.8194, 0.2762,
0.3866

 6.0653, 0.1655,
0.5784

346.7580, 0.2784,

 2.8848, 0.1113,

0.3831

0.6710

409.4455, 0.2803,
0.3800

■ 1.0719, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.3928, 0.2538,
0.4233

■ 75.3928, 0.2538,
0.4233

■ 74.7211, 0.2550,
0.4358

■ 76.4061, 0.2546,
0.4106

■ 74.4848, 0.2560,
0.4418


■ 77.8339, 0.2575,
0.3979


■ 79.7192, 0.2623,
0.3855

■ 82.1030, 0.2689,
0.3735

 85.0217, 0.2770,
0.3622

 88.5080, 0.2862,
0.3517

 92.5921, 0.2964,
0.3420

 97.3020, 0.3070,
0.3332

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.



75.3928, 0.3280, 0.4748



75.3928, 0.2538, 0.4233



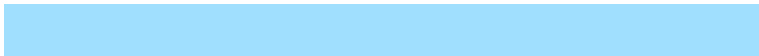
75.3928, 0.1997, 0.3369

Triad

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



75.3928, 0.2538, 0.4233



75.3928, 0.2175, 0.2079



75.3928, 0.4718, 0.3630

Complementary

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



75.3928, 0.2538, 0.4233



23.7313, 0.5253, 0.2791

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.



75.3928, 0.4365, 0.3054



75.3928, 0.2538, 0.4233



75.3928, 0.2803, 0.2210

Square

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



75.3928, 0.2538, 0.4233



75.3928, 0.1824, 0.2201



75.3928, 0.3621, 0.2555



75.3928, 0.4564, 0.4211

Rectangle

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



75.3928, 0.2538, 0.4233



75.3928, 0.1804, 0.2841



75.3928, 0.3621, 0.2555



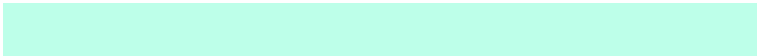
75.3928, 0.4657, 0.3434

Sweetspot

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



75.3881, 0.2538, 0.4233



88.2024, 0.2854, 0.3525



74.9852, 0.3234, 0.5698



18.6099, 0.2822, 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.



75.3881, 0.2538, 0.4233



74.4848, 0.2560, 0.4418



58.1843, 0.2144, 0.2827



20.3745, 0.3024, 0.3369



38.9486, 0.2555, 0.4397



3.8124, 0.2515, 0.4255

Inverse Universe

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



23.7313, 0.5253, 0.2791



21.8901, 0.5714, 0.2921



26.2932, 0.5879, 0.3511



18.0850, 0.3243, 0.3213



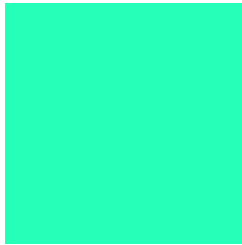
11.4623, 0.5671, 0.2898



1.1352, 0.5352, 0.2722

Previews

White Background



This preview shows how the Yxy color 75.3928, 0.2538, 0.4233 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 75.3928, 0.2538, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

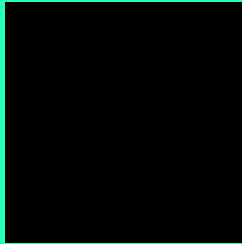
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.3928, 0.2538, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 75.3928, 0.2538, 0.4233.

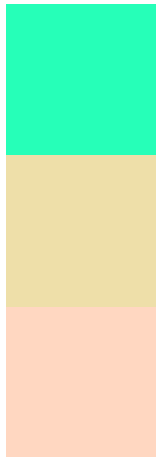


This preview shows how white text looks on a background with the Yxy color 75.3928, 0.2538, 0.4233.

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

75.3928, 0.2538, 0.4233

Protanopia

73.8171, 0.3607, 0.3869

Deuteranopia

73.7111, 0.3586, 0.3517



Tritanopia

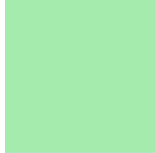
74.9434, 0.2481, 0.3115

Trichromacy



Original Color

75.3928, 0.2538, 0.4233



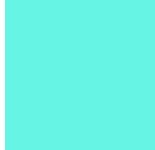
Protanomaly

70.4720, 0.3035, 0.4046



Deuteranomaly

69.5414, 0.3012, 0.3774



Tritanomaly

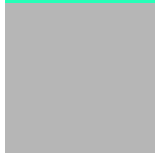
73.7867, 0.2470, 0.3486

Monochromacy



Original Color

75.3928, 0.2538, 0.4233



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.7657, 0.2752, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3928, 0.2538, 0.4233 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(38, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 184)  
}
```

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(38, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 184) }
```

Border

The CSS property to change the border of an element to Yxy 75.3928, 0.2538, 0.4233 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(38, 255, 184) }
```

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

```
.border{ border-color:rgb(38, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3928, 0.2538, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 184) }
```

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

```
.background{ background-color: rgb(38, 255,  
184) }
```

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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