

Converting Colors

$Yxy(76.4123, 0.2650, 0.4227)$

Have a look what the booklet for
Yxy(76.4123, 0.2650, 0.4227)
contains.

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Color

Yxy(76.2873, 0.2648, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	57FEB6
RGB	87, 254, 182
RGB Percent	34%, 100%, 71%
CMY	0.6590, 0.0039, 0.2863
CMYK	0.66, 0.00, 0.28, 0.00
HSL	154°, 99%, 67%
HSV	154°, 66%, 100%
XYZ	47.8127, 76.2873, 56.4616
YIQ	195.8590, -76.4200, -57.7960

Conversions

Conversions Part 2

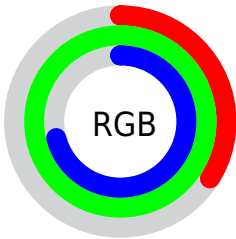
Format	Color
RYB	87, 193, 254
Decimal	5766838
CIELab	89.99, -59.21, 22.07
CIELCh	90, 63.189, 159.561
Yxy	76.2873, 0.2648, 0.4225
Android (android.graphics.Color)	4283956918 (0xFF57FEB6)
YUV	195.8590, -6.8325, -95.4693
Hunter-Lab	87.3426, -55.1358, 22.8125

Details

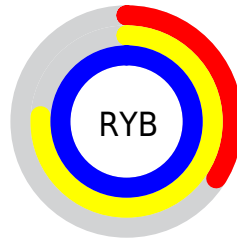
The Yxy color **76.2873, 0.2648, 0.4225** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **30.3838, 0.4323, 0.2599**, and the grayscale version is **55.1838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4654, 0.2652, 0.3482**, and **41.0648, 0.2570, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **74.8408, 0.2629, 0.4396**, and if you desaturate by 10%, it is **78.2050, 0.2687, 0.4057**.

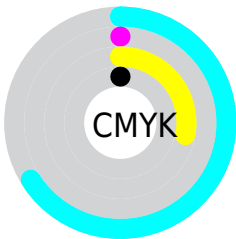
Distribution



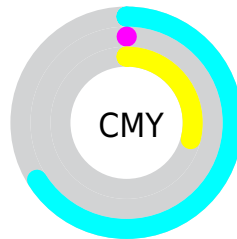
- Red (34%)
- Green (100%)
- Blue (71%)



- Red (34%)
- Yellow (76%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2873, 0.2648, 0.4225 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 76.2873, 0.2648, 0.4225 by changing the saturation by 10% instead.


 76.2873, 0.2648,
0.4225

 76.2873, 0.2648,
0.4225


482.3306, 0.2880,
0.3769

 56.6681, 0.2592,
0.4335


 128.1329, 0.2731,
0.4062


 40.7388, 0.2523,
0.4474


 161.1282, 0.2762,
0.4000

 28.1151, 0.2432,
0.4654


 199.3509, 0.2789,
0.3947

 18.4124, 0.2311,
0.4897

 243.1855, 0.2812,
0.3902

 11.2465, 0.2141,
0.5240

293.0164, 0.2833,
0.3862

 6.2329, 0.1887,
0.5756


349.2280, 0.2850,

 2.9872, 0.1459,

0.3827

0.6620


412.2046, 0.2866,
0.3796


 1.1251, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 76.2873, 0.2648,
0.4225


 76.2873, 0.2648,
0.4225

 74.8408, 0.2629,
0.4396


 78.2050, 0.2687,
0.4057


 73.8083, 0.2631,
0.4566

 80.6263, 0.2742,
0.3894


 73.1330, 0.2653,
0.4730

 83.5906, 0.2812,
0.3741

 72.9182, 0.2666,
0.4798

 87.1313, 0.2892,
0.3599

 91.2787, 0.2980,
0.3469

 96.0610, 0.3073,
0.3352

99.3686, 0.3128,
0.3281

Harmonies

Analogous

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



76.2873, 0.3352, 0.4650



76.2873, 0.2648, 0.4225



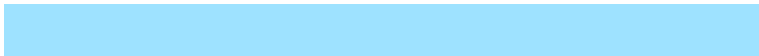
76.2873, 0.2111, 0.3449

Triad

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



76.2873, 0.2648, 0.4225



76.2873, 0.2191, 0.2154



76.2873, 0.4593, 0.3566

Complementary

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



76.2873, 0.2648, 0.4225



30.3838, 0.4323, 0.2599

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.



76.2873, 0.4218, 0.3024



76.2873, 0.2648, 0.4225



76.2873, 0.2760, 0.2254

Square

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



76.2873, 0.2648, 0.4225



76.2873, 0.1885, 0.2301



76.2873, 0.3510, 0.2562



76.2873, 0.4504, 0.4113

Rectangle

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



76.2873, 0.2648, 0.4225



76.2873, 0.1907, 0.2947



76.2873, 0.3510, 0.2562



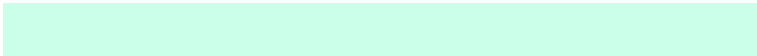
76.2873, 0.4519, 0.3381

Sweetspot

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



76.2904, 0.2648, 0.4225



90.2415, 0.2942, 0.3523



78.9824, 0.3389, 0.5195



19.0661, 0.2918, 0.3560



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.



76.2904, 0.2648, 0.4225



75.1253, 0.2627, 0.4452



73.2046, 0.2319, 0.3154



20.3414, 0.3038, 0.3394



38.4709, 0.2659, 0.4772



3.7677, 0.2607, 0.4586

Inverse Universe

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



30.3838, 0.4323, 0.2599



25.7614, 0.4706, 0.2563



30.5129, 0.5224, 0.3394



18.1171, 0.3226, 0.3188



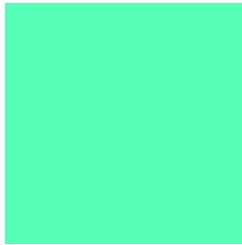
11.7247, 0.5256, 0.2669



1.1630, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 76.2873, 0.2648, 0.4225 looks on a white background.

Color Contrast Check

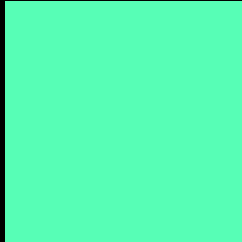
Large Text (above 18pt) WCAG AA × Fail

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 76.2873, 0.2648, 0.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

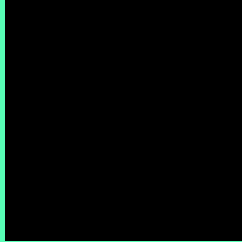
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.2873, 0.2648, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 76.2873, 0.2648, 0.4225.

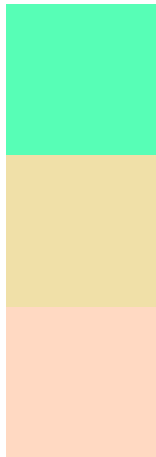


This preview shows how white text looks on a background with the Yxy color 76.2873, 0.2648, 0.4225.

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

76.2873, 0.2648, 0.4225

Protanopia

74.6637, 0.3626, 0.3887

Deuteranopia

74.7808, 0.3574, 0.3527



Tritanopia

75.4370, 0.2532, 0.3106

Trichromacy



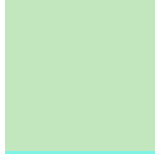
Original Color

76.2873, 0.2648, 0.4225



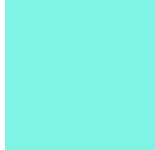
Protanomaly

72.6241, 0.3164, 0.4030



Deuteranomaly

71.7807, 0.3132, 0.3757



Tritanomaly

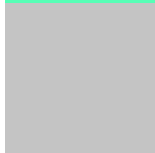
74.8148, 0.2565, 0.3482

Monochromacy



Original Color

76.2873, 0.2648, 0.4225



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.4552, 0.2873, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2873, 0.2648, 0.4225 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(87, 254, 182)` looks like.

```
.text, #text, p{  
    color:rgb(87, 254, 182)  
}
```

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(87, 254, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 254, 182) }
```

Border

The CSS property to change the border of an element to Yxy 76.2873, 0.2648, 0.4225 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(87, 254, 182) }
```

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

```
.border{ border-color:rgb(87, 254, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 254, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 254, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 254, 182);  
box-shadow:4px 4px 4px 4px rgb(87, 254,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2873, 0.2648, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 254, 182) }
```

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

```
.background{ background-color: rgb(87, 254,  
182) }
```

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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