

Converting Colors

$Y_{xy}(76.8625, 0.2623, 0.4193)$

Have a look what the booklet for
Yxy(76.8625, 0.2623, 0.4193)
contains.

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Color

Yxy(76.8618, 0.2625, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	53FFB9
RGB	83, 255, 185
RGB Percent	33%, 100%, 73%
CMY	0.6752, 0.0000, 0.2745
CMYK	0.68, 0.00, 0.27, 0.00
HSL	156°, 100%, 66%
HSV	156°, 68%, 100%
XYZ	48.0730, 76.8618, 58.2003
YIQ	195.5920, -80.0420, -58.2340

Conversions

Conversions Part 2

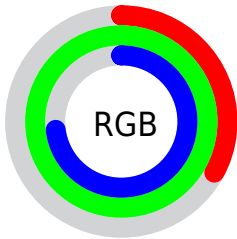
Format	Color
RYB	83, 191, 255
Decimal	5504953
CIELab	90.26, -59.63, 20.89
CIELCh	90, 63.188, 160.694
Yxy	76.8618, 0.2625, 0.4197
Android (android.graphics.Color)	4283695033 (0xFF53FFB9)
YUV	195.5920, -5.2219, -98.7432
Hunter-Lab	87.6709, -55.5463, 22.0099

Details

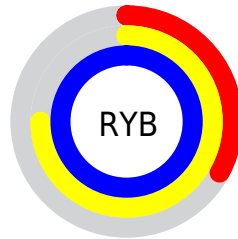
The Yxy color **76.8618, 0.2625, 0.4197** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **29.7156, 0.4432, 0.2631**, and the grayscale version is **54.9808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3549, 0.2624, 0.3447**, and **41.5984, 0.2559, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **75.4805, 0.2608, 0.4358**, and if you desaturate by 10%, it is **78.6860, 0.2662, 0.4038**.

Distribution



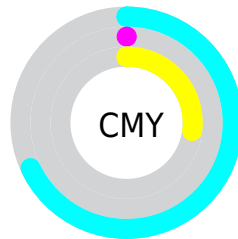
- Red (33%)
- Green (100%)
- Blue (73%)



- Red (33%)
- Yellow (75%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8618, 0.2625, 0.4197 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 76.8618, 0.2625, 0.4197 by changing the saturation by 10% instead.


 76.8618, 0.2625,
0.4197

 76.8618, 0.2625,
0.4197


484.2927, 0.2867,
0.3756


 57.1395, 0.2568,
0.4303


 128.9444, 0.2711,
0.4040


 41.1172, 0.2496,
0.4437


 162.0734, 0.2743,
0.3980

 28.4107, 0.2403,
0.4610


 200.4401, 0.2771,
0.3929

 18.6355, 0.2280,
0.4843

 244.4289, 0.2796,
0.3884

 11.4072, 0.2108,
0.5172

294.4242, 0.2817,
0.3846

 6.3414, 0.1854,
0.5666


350.8103, 0.2835,


 3.0538, 0.1435,


0.3812

0.6482


413.9717, 0.2852,
0.3782

 1.1599, 0.0000,
1.0000


 0.0286, 0.0000,
1.0000


 76.8618, 0.2625,
0.4197


 76.8618, 0.2625,
0.4197


 75.4805, 0.2608,
0.4358

 78.6860, 0.2662,
0.4038


 74.5144, 0.2611,
0.4517

 81.0181, 0.2717,
0.3885

 73.8906, 0.2634,
0.4672

 83.8884, 0.2787,
0.3739

 73.7649, 0.2642,
0.4710

 87.3306, 0.2869,
0.3604

 91.3758, 0.2959,
0.3479

 96.0527, 0.3054,
0.3367

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.



76.8618, 0.3324, 0.4641



76.8618, 0.2625, 0.4197



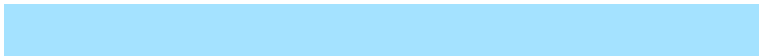
76.8618, 0.2099, 0.3418

Triad

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



76.8618, 0.2625, 0.4197



76.8618, 0.2210, 0.2156



76.8618, 0.4595, 0.3587

Complementary

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



76.8618, 0.2625, 0.4197



29.7156, 0.4432, 0.2631

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.



76.8618, 0.4237, 0.3044



76.8618, 0.2625, 0.4197



76.8618, 0.2787, 0.2264

Square

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



76.8618, 0.2625, 0.4197



76.8618, 0.1894, 0.2293



76.8618, 0.3539, 0.2579



76.8618, 0.4489, 0.4131

Rectangle

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



76.8618, 0.2625, 0.4197



76.8618, 0.1902, 0.2922



76.8618, 0.3539, 0.2579



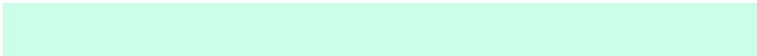
76.8618, 0.4526, 0.3402

Sweetspot

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



76.8543, 0.2625, 0.4197



90.3131, 0.2936, 0.3509



79.0681, 0.3371, 0.5252



19.0833, 0.2910, 0.3544



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.



76.8543, 0.2625, 0.4197



75.1005, 0.2607, 0.4414



71.7567, 0.2299, 0.3115



20.3491, 0.3035, 0.3388



38.5741, 0.2635, 0.4685



3.7775, 0.2586, 0.4509

Inverse Universe

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



29.7156, 0.4432, 0.2631



25.0886, 0.4846, 0.2614



30.4649, 0.5285, 0.3419



18.1095, 0.3230, 0.3194



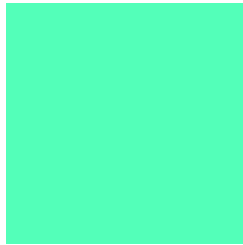
11.6554, 0.5357, 0.2725



1.1558, 0.5058, 0.2560

Previews

White Background



This preview shows how the Yxy color 76.8618, 0.2625, 0.4197 looks on a white background.

Color Contrast Check

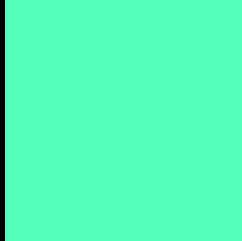
Large Text (above 18pt) WCAG AA × Fail

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 76.8618, 0.2625, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

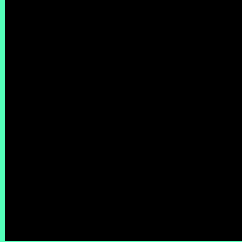
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8618, 0.2625, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 76.8618, 0.2625, 0.4197.

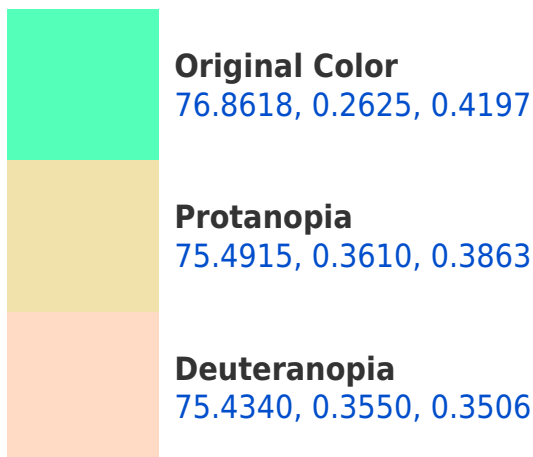


This preview shows how white text looks on a background with the Yxy color 76.8618, 0.2625, 0.4197.

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





Tritanopia

76.3125, 0.2548, 0.3118

Trichromacy



Original Color

76.8618, 0.2625, 0.4197



Protanomaly

73.1928, 0.3139, 0.4005



Deuteranomaly

72.2086, 0.3100, 0.3734



Tritanomaly

75.5300, 0.2558, 0.3469

Monochromacy



Original Color

76.8618, 0.2625, 0.4197



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.4000, 0.2861, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8618, 0.2625, 0.4197 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(83, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(83, 255, 185)  
}
```

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(83, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 76.8618, 0.2625, 0.4197 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(83, 255, 185) }
```

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

```
.border{ border-color:rgb(83, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(83, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8618, 0.2625, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 255, 185) }
```

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

```
.background{ background-color: rgb(83, 255,  
185) }
```

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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