

Converting Colors

$Yxy(76.8746, 0.2633, 0.4209)$

Have a look what the booklet for
Yxy(76.8746, 0.2633, 0.4209)
contains.

Yxy(76.8655, 0.2633, 0.4210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.8655, 0.2633, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	54FFB8
RGB	84, 255, 184
RGB Percent	33%, 100%, 72%
CMY	0.6702, 0.0000, 0.2785
CMYK	0.67, 0.00, 0.28, 0.00
HSL	155°, 100%, 66%
HSV	155°, 67%, 100%
XYZ	48.0729, 76.8655, 57.6400
YIQ	195.7770, -79.1250, -58.3330

Conversions

Conversions Part 2

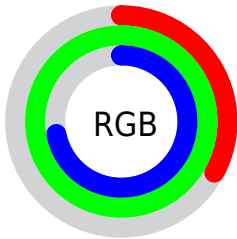
Format	Color
RYB	84, 192, 255
Decimal	5570488
CIELab	90.26, -59.64, 21.42
CIElCh	90, 63.371, 160.248
Yxy	76.8655, 0.2633, 0.4210
Android (android.graphics.Color)	4283760568 (0xFF54FFB8)
YUV	195.7770, -5.8061, -98.0284
Hunter-Lab	87.6730, -55.5525, 22.3913

Details

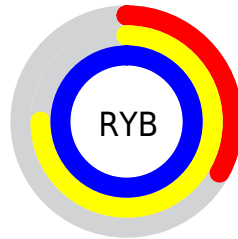
The Yxy color **76.8655, 0.2633, 0.4210** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **29.9870, 0.4396, 0.2618**, and the grayscale version is **55.1496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3906, 0.2633, 0.3459**, and **41.5712, 0.2564, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **75.4689, 0.2616, 0.4375**, and if you desaturate by 10%, it is **78.7297, 0.2670, 0.4048**.

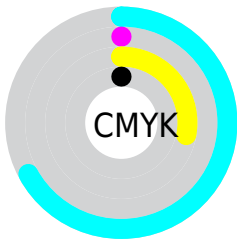
Distribution



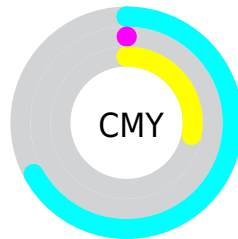
- Red (33%)
- Green (100%)
- Blue (72%)



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



- Cyan (67%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8655, 0.2633, 0.4210 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 76.8655, 0.2633, 0.4210 by changing the saturation by 10% instead.


 76.8655, 0.2633,
0.4210

 76.8655, 0.2633,
0.4210


484.3053, 0.2871,
0.3762

 57.1425, 0.2576,
0.4318


 128.9496, 0.2718,
0.4050


 41.1197, 0.2505,
0.4453


 162.0795, 0.2750,
0.3989

 28.4126, 0.2413,
0.4630

 200.4471, 0.2778,
0.3937

 18.6369, 0.2291,
0.4867

 244.4369, 0.2801,
0.3893

 11.4082, 0.2120,
0.5201

294.4332, 0.2822,
0.3854

 6.3421, 0.1866,
0.5703


350.8205, 0.2841,


 3.0542, 0.1446,


0.3819


0.6533


413.9830, 0.2857,
0.3789

 1.1601, 0.0000,
1.0000


 0.0287, 0.0000,
1.0000

 76.8655, 0.2633,
0.4210

 76.8655, 0.2633,
0.4210


 75.4689, 0.2616,
0.4375

 78.7297, 0.2670,
0.4048


 74.4809, 0.2619,
0.4538

 81.0947, 0.2726,
0.3891

 73.8414, 0.2642,
0.4696

 84.0010, 0.2795,
0.3742

 73.6900, 0.2651,
0.4743

 87.4822, 0.2876,
0.3604

■ 91.5694, 0.2965,
0.3478

■ 96.2913, 0.3059,
0.3363

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



76.8655, 0.3335, 0.4647



76.8655, 0.2633, 0.4210



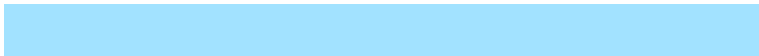
76.8655, 0.2102, 0.3430

Triad

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



76.8655, 0.2633, 0.4210



76.8655, 0.2201, 0.2153



76.8655, 0.4597, 0.3579

Complementary

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



76.8655, 0.2633, 0.4210



29.9870, 0.4396, 0.2618

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.



76.8655, 0.4232, 0.3036



76.8655, 0.2633, 0.4210



76.8655, 0.2775, 0.2258

Square

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



76.8655, 0.2633, 0.4210



76.8655, 0.1889, 0.2294



76.8655, 0.3528, 0.2571



76.8655, 0.4497, 0.4125

Rectangle

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



76.8655, 0.2633, 0.4210



76.8655, 0.1902, 0.2931



76.8655, 0.3528, 0.2571



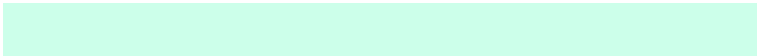
76.8655, 0.4526, 0.3394

Sweetspot

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



76.8686, 0.2633, 0.4210



90.2868, 0.2938, 0.3514



79.1599, 0.3371, 0.5239



19.0770, 0.2913, 0.3550



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.



76.8686, 0.2633, 0.4210



75.1347, 0.2614, 0.4424



71.8764, 0.2302, 0.3116



20.3463, 0.3036, 0.3391



38.5356, 0.2644, 0.4717



3.7739, 0.2594, 0.4537

Inverse Universe

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



29.9870, 0.4396, 0.2618



25.3987, 0.4786, 0.2595



30.7014, 0.5262, 0.3419



18.1123, 0.3229, 0.3192



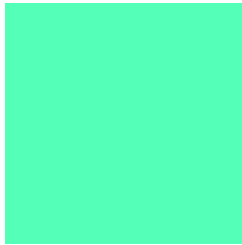
11.6802, 0.5320, 0.2704



1.1584, 0.5025, 0.2542

Previews

White Background



This preview shows how the Yxy color 76.8655, 0.2633, 0.4210 looks on a white background.

Color Contrast Check

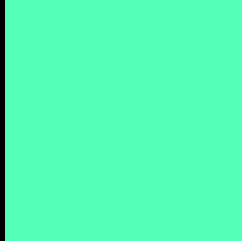
Large Text (above 18pt) WCAG AA × Fail

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 76.8655, 0.2633, 0.4210 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 76.8655, 0.2633, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 76.8655, 0.2633, 0.4210.



This preview shows how white text looks on a background with the Yxy color 76.8655, 0.2633, 0.4210.

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

76.8655, 0.2633, 0.4210

Protanopia

75.4535, 0.3617, 0.3874

Deuteranopia

75.3883, 0.3557, 0.3516



Tritanopia

76.3125, 0.2548, 0.3118

Trichromacy



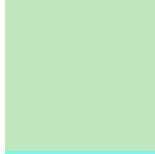
Original Color

76.8655, 0.2633, 0.4210



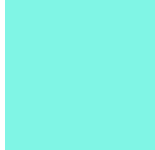
Protanomaly

73.2764, 0.3152, 0.4016



Deuteranomaly

72.2951, 0.3113, 0.3745



Tritanomaly

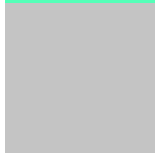
75.5512, 0.2566, 0.3481

Monochromacy



Original Color

76.8655, 0.2633, 0.4210



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 76.8655, 0.2633, 0.4210 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(84, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 255, 184) }
```

Border

The CSS property to change the border of an element to Yxy 76.8655, 0.2633, 0.4210 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(84, 255, 184) }
```

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

```
.border{ border-color:rgb(84, 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(84, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(84, 255,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8655, 0.2633, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 255, 184) }
```

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

```
.background{ background-color: rgb(84, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor