

Converting Colors

$Yxy(76.6901, 0.2671, 0.4306)$

Have a look what the booklet for
Yxy(76.6901, 0.2671, 0.4306)
contains.

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Color

Yxy(76.7206, 0.2672, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	57FFB1
RGB	87, 255, 177
RGB Percent	34%, 100%, 69%
CMY	0.6587, 0.0000, 0.3058
CMYK	0.66, 0.00, 0.31, 0.00
HSL	152°, 100%, 67%
HSV	152°, 66%, 100%
XYZ	47.6295, 76.7206, 53.9041
YIQ	195.8760, -75.0900, -59.8740

Conversions

Conversions Part 2

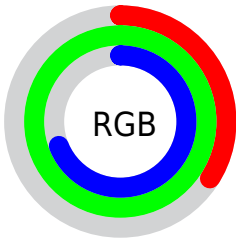
Format	Color
RYB	87, 196, 255
Decimal	5767089
CIELab	90.19, -60.58, 24.88
CIElCh	90, 65.491, 157.677
Yxy	76.7206, 0.2672, 0.4304
Android (android.graphics.Color)	4283957169 (0xFF57FFB1)
YUV	195.8760, -9.3059, -95.4843
Hunter-Lab	87.5903, -56.2190, 24.8255

Details

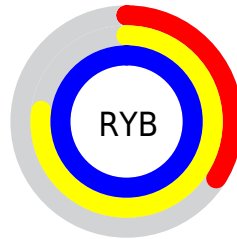
The Yxy color **76.7206, 0.2672, 0.4304** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **30.7974, 0.4249, 0.2544**, and the grayscale version is **55.2204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1755, 0.2675, 0.3540**, and **41.3877, 0.2599, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **75.2523, 0.2656, 0.4489**, and if you desaturate by 10%, it is **78.6675, 0.2708, 0.4121**.

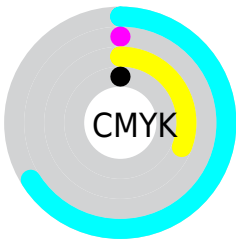
Distribution



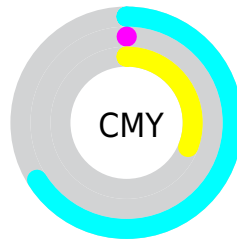
- Red (34%)
- Green (100%)
- Blue (69%)



- Red (34%)
- Yellow (77%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (66%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7206, 0.2672, 0.4304 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 76.7206, 0.2672, 0.4304 by changing the saturation by 10% instead.


 76.7206, 0.2672,
0.4304

 76.7206, 0.2672,
0.4304


483.8109, 0.2896,
0.3808


 57.0236, 0.2618,
0.4424


 128.7450, 0.2752,
0.4126


 41.0242, 0.2549,
0.4575


 161.8412, 0.2783,
0.4059

 28.3380, 0.2460,
0.4772


 200.1726, 0.2808,
0.4001

 18.5806, 0.2340,
0.5037

 244.1235, 0.2831,
0.3952

 11.3676, 0.2169,
0.5412

294.0784, 0.2850,
0.3909

 6.3147, 0.1912,
0.5973


350.4217, 0.2867,


 3.0373, 0.1475,

0.3871

0.6938


413.5377, 0.2882,
0.3837

 1.1513, 0.0000,
1.0000


 0.0214, 0.0000,
1.0000


 76.7206, 0.2672,
0.4304


 76.7206, 0.2672,
0.4304


 75.2523, 0.2656,
0.4489


 78.6675, 0.2708,
0.4121

 74.2070, 0.2661,
0.4671

 81.1284, 0.2760,
0.3946

 73.5263, 0.2685,
0.4847

 84.1428, 0.2826,
0.3779

 73.3154, 0.2699,
0.4917

 87.7443, 0.2903,
0.3625

■ 91.9639, 0.2987,
0.3485

■ 96.8303, 0.3075,
0.3358

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.



76.7206, 0.3401, 0.4709



76.7206, 0.2672, 0.4304



76.7206, 0.2106, 0.3505

Triad

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



76.7206, 0.2672, 0.4304



76.7206, 0.2135, 0.2122



76.7206, 0.4632, 0.3533

Complementary

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



76.7206, 0.2672, 0.4304



30.7974, 0.4249, 0.2544

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.



76.7206, 0.4217, 0.2981



76.7206, 0.2672, 0.4304



76.7206, 0.2703, 0.2211

Square

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



76.7206, 0.2672, 0.4304



76.7206, 0.1839, 0.2288



76.7206, 0.3471, 0.2515



76.7206, 0.4565, 0.4098

Rectangle

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



76.7206, 0.2672, 0.4304



76.7206, 0.1884, 0.2976



76.7206, 0.3471, 0.2515



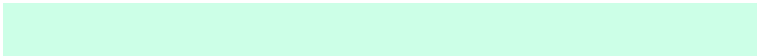
76.7206, 0.4546, 0.3344

Sweetspot

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



76.7228, 0.2672, 0.4304



90.1453, 0.2951, 0.3541



80.2524, 0.3424, 0.5176



19.0430, 0.2928, 0.3581



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.



76.7228, 0.2672, 0.4304



74.8822, 0.2655, 0.4546



77.2470, 0.2335, 0.3221



20.3309, 0.3042, 0.3403



38.3394, 0.2691, 0.4889



3.7551, 0.2637, 0.4691

Inverse Universe

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



30.7974, 0.4249, 0.2544



25.9653, 0.4602, 0.2499



29.7117, 0.5273, 0.3344



18.1274, 0.3221, 0.3180



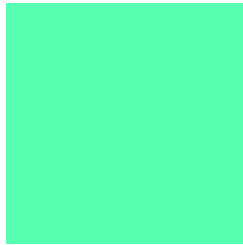
11.8264, 0.5116, 0.2592



1.1733, 0.4843, 0.2441

Previews

White Background



This preview shows how the Yxy color 76.7206, 0.2672, 0.4304 looks on a white background.

Color Contrast Check

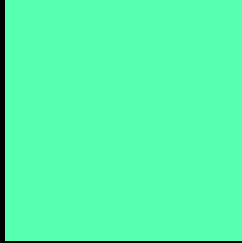
Large Text (above 18pt) WCAG AA × Fail

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 76.7206, 0.2672, 0.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

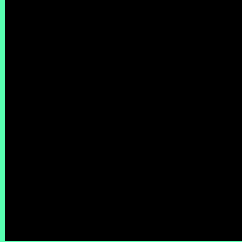
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7206, 0.2672, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 76.7206, 0.2672, 0.4304.

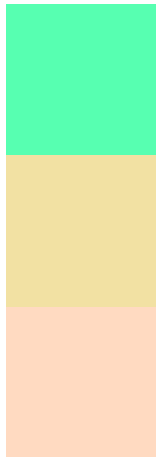


This preview shows how white text looks on a background with the Yxy color 76.7206, 0.2672, 0.4304.

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

76.7206, 0.2672, 0.4304

Protanopia

75.3720, 0.3672, 0.3946

Deuteranopia

75.2531, 0.3579, 0.3547



Tritanopia

76.3125, 0.2548, 0.3118

Trichromacy



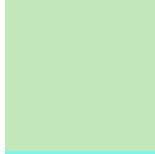
Original Color

76.7206, 0.2672, 0.4304



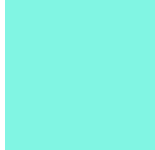
Protanomaly

73.2572, 0.3207, 0.4099



Deuteranomaly

72.2090, 0.3150, 0.3804



Tritanomaly

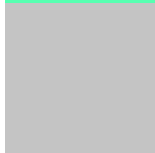
75.5180, 0.2580, 0.3506

Monochromacy



Original Color

76.7206, 0.2672, 0.4304



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.3678, 0.2885, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7206, 0.2672, 0.4304 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, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 177)  
}
```

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, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 177) }
```

Border

The CSS property to change the border of an element to Yxy 76.7206, 0.2672, 0.4304 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, 255, 177) }
```

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

```
.border{ border-color:rgb(87, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7206, 0.2672, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 177) }
```

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

```
.background{ background-color: rgb(87, 255,  
177) }
```

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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