

Converting Colors

$Y_{xy}(76.7690, 0.2675, 0.4304)$

Have a look what the booklet for
Yxy(76.7690, 0.2675, 0.4304)
contains.

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Color

Yxy(76.7690, 0.2675, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	58FFB1
RGB	88, 255, 177
RGB Percent	35%, 100%, 69%
CMY	0.6552, 0.0000, 0.3060
CMYK	0.66, 0.00, 0.31, 0.00
HSL	152°, 100%, 67%
HSV	152°, 66%, 100%
XYZ	47.7131, 76.7690, 53.8846
YIQ	196.1750, -74.4940, -59.6620

Conversions

Conversions Part 2

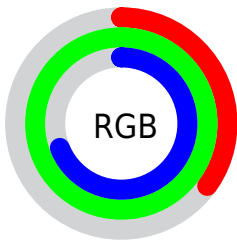
Format	Color
RYB	88, 197, 255
Decimal	5832625
CIELab	90.22, -60.45, 24.93
CIELCh	90, 65.387, 157.585
Yxy	76.7690, 0.2675, 0.4304
Android (android.graphics.Color)	4284022705 (0xFF58FFB1)
YUV	196.1750, -9.4533, -94.8695
Hunter-Lab	87.6179, -56.1277, 24.8695

Details

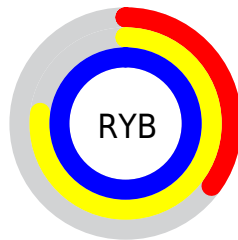
The Yxy color **76.7690, 0.2675, 0.4304** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **30.9796, 0.4233, 0.2541**, and the grayscale version is **55.3884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2732, 0.2680, 0.3540**, and **41.3877, 0.2599, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **75.2772, 0.2658, 0.4490**, and if you desaturate by 10%, it is **78.7285, 0.2711, 0.4120**.

Distribution



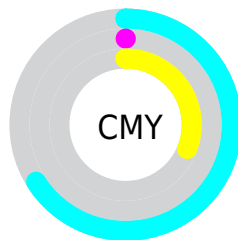
- Red (35%)
- Green (100%)
- Blue (69%)



- Red (35%)
- 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 76.7690, 0.2675, 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 76.7690, 0.2675, 0.4304 by changing the saturation by 10% instead.


 76.7690, 0.2675,
0.4304


 76.7690, 0.2675,
0.4304


483.9761, 0.2897,
0.3808


 57.0633, 0.2621,
0.4424


 128.8134, 0.2755,
0.4126

 41.0561, 0.2553,
0.4575


 161.9208, 0.2785,
0.4059

 28.3629, 0.2464,
0.4772


 200.2643, 0.2811,
0.4002

 18.5994, 0.2344,
0.5037

 244.2282, 0.2833,
0.3952

 11.3812, 0.2174,
0.5411

294.1969, 0.2852,
0.3909

 6.3238, 0.1918,
0.5972


350.5549, 0.2869,


 3.0430, 0.1485,


0.3871


0.6935


413.6865, 0.2884,
0.3838

 1.1542, 0.0000,
1.0000


 0.0238, 0.0000,
1.0000


 76.7690, 0.2675,
0.4304

 76.7690, 0.2675,
0.4304


 75.2772, 0.2658,
0.4490


 78.7285, 0.2711,
0.4120

 74.2172, 0.2663,
0.4674


 81.2104, 0.2764,
0.3944

 73.5247, 0.2687,
0.4850

 84.2474, 0.2830,
0.3777

 73.2951, 0.2702,
0.4926

 87.8733, 0.2907,
0.3622

 92.1188, 0.2990,
0.3481

 97.0126, 0.3078,
0.3354

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.



76.7690, 0.3404, 0.4707



76.7690, 0.2675, 0.4304



76.7690, 0.2109, 0.3507

Triad

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



76.7690, 0.2675, 0.4304



76.7690, 0.2135, 0.2124



76.7690, 0.4629, 0.3531

Complementary

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



76.7690, 0.2675, 0.4304



30.9796, 0.4233, 0.2541

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.



76.7690, 0.4213, 0.2980



76.7690, 0.2675, 0.4304



76.7690, 0.2701, 0.2212

Square

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



76.7690, 0.2675, 0.4304



76.7690, 0.1841, 0.2291



76.7690, 0.3468, 0.2515



76.7690, 0.4564, 0.4095

Rectangle

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



76.7690, 0.2675, 0.4304



76.7690, 0.1887, 0.2979



76.7690, 0.3468, 0.2515



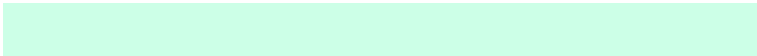
76.7690, 0.4542, 0.3342

Sweetspot

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



76.7647, 0.2675, 0.4304



90.1372, 0.2952, 0.3543



80.6232, 0.3441, 0.5156



19.0411, 0.2929, 0.3583



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.



76.7647, 0.2675, 0.4304



74.8623, 0.2658, 0.4554



79.0476, 0.2345, 0.3255



20.3300, 0.3043, 0.3403



38.3287, 0.2694, 0.4898



3.7540, 0.2639, 0.4700

Inverse Universe

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



30.9796, 0.4233, 0.2541



25.9831, 0.4593, 0.2494



29.3970, 0.5276, 0.3320



18.1283, 0.3221, 0.3179



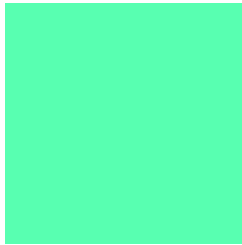
11.8354, 0.5104, 0.2586



1.1742, 0.4832, 0.2436

Previews

White Background



This preview shows how the Yxy color 76.7690, 0.2675, 0.4304 looks on a white background.

Color Contrast Check

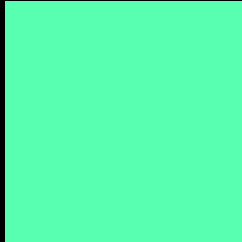
Large Text (above 18pt) WCAG AA × Fail

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 76.7690, 0.2675, 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 76.7690, 0.2675, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 76.7690, 0.2675, 0.4304.

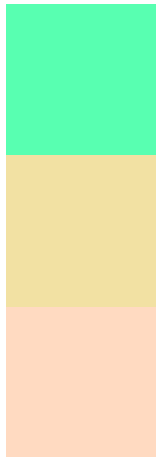


This preview shows how white text looks on a background with the Yxy color 76.7690, 0.2675, 0.4304.

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

76.7690, 0.2675, 0.4304

Protanopia

75.3720, 0.3672, 0.3946

Deuteranopia

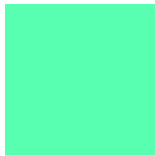
75.2531, 0.3579, 0.3547



Tritanopia

76.3125, 0.2548, 0.3118

Trichromacy



Original Color

76.7690, 0.2675, 0.4304



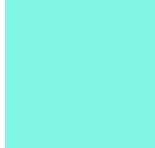
Protanomaly

73.2572, 0.3207, 0.4099



Deuteranomaly

72.2090, 0.3150, 0.3804



Tritanomaly

75.5180, 0.2580, 0.3506

Monochromacy



Original Color

76.7690, 0.2675, 0.4304



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.4679, 0.2892, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7690, 0.2675, 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(88, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 177) }
```

Border

The CSS property to change the border of an element to Yxy 76.7690, 0.2675, 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(88, 255, 177) }
```

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

```
.border{ border-color:rgb(88, 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(88, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7690, 0.2675, 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(88, 255, 177) }
```

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

```
.background{ background-color: rgb(88, 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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