

Converting Colors

$Y_{xy}(78.6049, 0.2573, 0.3925)$

Have a look what the booklet for
Yxy(78.6049, 0.2573, 0.3925)
contains.

Yxy(78.3075, 0.2571, 0.3918)	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(78.3075, 0.2571, 0.3918)

Conversions

Conversions Part 1

Format	Color
Hex	5EFFCD
RGB	94, 255, 205
RGB Percent	37%, 100%, 80%
CMY	0.6319, 0.0000, 0.1960
CMYK	0.63, 0.00, 0.20, 0.00
HSL	161°, 100%, 68%
HSV	161°, 63%, 100%
XYZ	51.3855, 78.3075, 70.1730
YIQ	201.1610, -79.9060, -49.6820

Conversions

Conversions Part 2

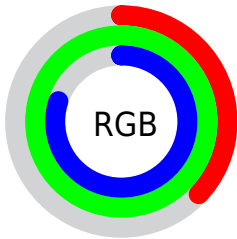
Format	Color
RYB	94, 189, 255
Decimal	6225869
CIELab	90.92, -53.54, 11.59
CIELCh	91, 54.780, 167.787
Yxy	78.3075, 0.2571, 0.3918
Android (android.graphics.Color)	4284415949 (0xFF5EFFCD)
YUV	201.1610, 1.8926, -93.9802
Hunter-Lab	88.4915, -51.2082, 14.9277

Details

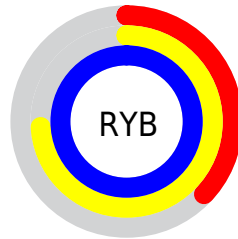
The Yxy color **78.3075, 0.2571, 0.3918** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **31.2486, 0.4519, 0.2810**, and the grayscale version is **58.5113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **42.1669, 0.2462, 0.4063** is the 20% darker color. If you saturate the color by 10%, you get **76.7979, 0.2537, 0.4037**, and if you desaturate by 10%, it is **80.2675, 0.2624, 0.3801**.

Distribution



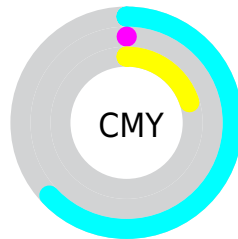
- Red (37%)
- Green (100%)
- Blue (80%)



- Red (37%)
- Yellow (74%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3075, 0.2571, 0.3918 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 78.3075, 0.2571, 0.3918 by changing the saturation by 10% instead.


 78.3075, 0.2571,
0.3918


 78.3075, 0.2571,
0.3918


489.2105, 0.2829,
0.3620

 58.3266, 0.2512,
0.3988


 130.9835, 0.2661,
0.3813

 42.0713, 0.2439,
0.4075


 164.4474, 0.2696,
0.3772

 29.1571, 0.2347,
0.4188


 203.1745, 0.2726,
0.3738

 19.1997, 0.2226,
0.4337

 247.5490, 0.2752,
0.3708

 11.8147, 0.2063,
0.4543

297.9555, 0.2775,
0.3682

 6.6176, 0.1832,
0.4848


354.7784, 0.2795,


 3.2241, 0.1482,


0.3658


0.5337


418.4019, 0.2813,
0.3638


 1.2498, 0.0000,
0.7118


 0.1019, 0.0000,
1.0000


 78.3075, 0.2571,
0.3918


 78.3075, 0.2571,
0.3918

 76.7979, 0.2537,
0.4037

 80.2675, 0.2624,
0.3801

 75.7132, 0.2523,
0.4157

 82.7384, 0.2695,
0.3689

 74.9905, 0.2530,
0.4276

 85.7487, 0.2780,
0.3584

 74.6508, 0.2543,
0.4356

 89.3307, 0.2877,
0.3486

■ 93.5141, 0.2981,
0.3396

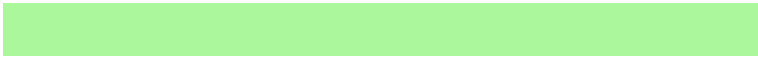
■ 98.3264, 0.3091,
0.3314

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.



78.3075, 0.3163, 0.4388



78.3075, 0.2571, 0.3918



78.3075, 0.2155, 0.3251

Triad

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



78.3075, 0.2571, 0.3918



78.3075, 0.2428, 0.2295



78.3075, 0.4411, 0.3685

Complementary

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



78.3075, 0.2571, 0.3918



31.2486, 0.4519, 0.2810

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.



78.3075, 0.4189, 0.3195



78.3075, 0.2571, 0.3918



78.3075, 0.2983, 0.2437

Square

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



78.3075, 0.2571, 0.3918



78.3075, 0.2086, 0.2369



78.3075, 0.3642, 0.2756



78.3075, 0.4244, 0.4144

Rectangle

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



78.3075, 0.2571, 0.3918



78.3075, 0.2017, 0.2853



78.3075, 0.3642, 0.2756



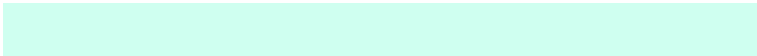
78.3075, 0.4381, 0.3521

Sweetspot

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



78.3006, 0.2571, 0.3918



91.0103, 0.2920, 0.3447



78.3349, 0.3277, 0.5193



19.2323, 0.2890, 0.3473



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.



78.3006, 0.2571, 0.3918



76.4535, 0.2531, 0.4071



63.6899, 0.2283, 0.2926



20.3799, 0.3022, 0.3365



39.0347, 0.2538, 0.4337



3.8203, 0.2501, 0.4202

Inverse Universe

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



31.2486, 0.4519, 0.2810



26.0071, 0.4979, 0.2792



36.3307, 0.4958, 0.3575



18.0799, 0.3245, 0.3217



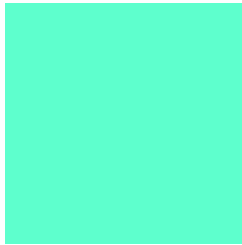
11.4279, 0.5732, 0.2931



1.1313, 0.5412, 0.2755

Previews

White Background



This preview shows how the Yxy color 78.3075, 0.2571, 0.3918 looks on a white background.

Color Contrast Check

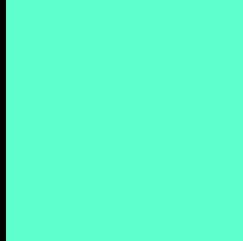
Large Text (above 18pt) WCAG AA × Fail

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 78.3075, 0.2571, 0.3918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

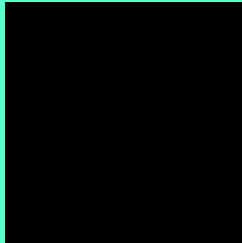
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.3075, 0.2571, 0.3918

Background



This preview shows how black text looks on a background with the Yxy color 78.3075, 0.2571, 0.3918.

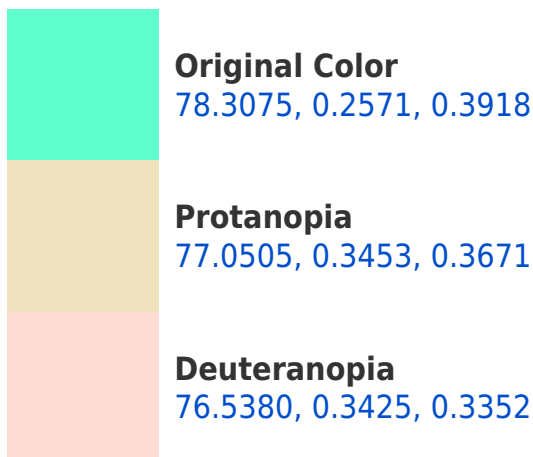


This preview shows how white text looks on a background with the Yxy color 78.3075, 0.2571, 0.3918.

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

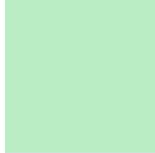
77.8120, 0.2592, 0.3132

Trichromacy



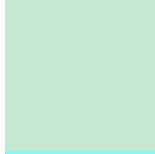
Original Color

78.3075, 0.2571, 0.3918



Protanomaly

74.9930, 0.3040, 0.3768



Deuteranomaly

74.1021, 0.3022, 0.3540



Tritanomaly

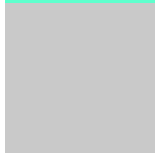
77.3443, 0.2570, 0.3394

Monochromacy



Original Color

78.3075, 0.2571, 0.3918



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.6586, 0.2848, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3075, 0.2571, 0.3918 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(94, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 205)  
}
```

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(94, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 78.3075, 0.2571, 0.3918 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(94, 255, 205) }
```

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

```
.border{ border-color:rgb(94, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3075, 0.2571, 0.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 205) }
```

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

```
.background{ background-color: rgb(94, 255,  
205) }
```

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