

Converting Colors

$Y_{xy}(100.0000, 0.2616, 0.4122)$

Have a look what the booklet for
Yxy(100.0000, 0.2616, 0.4122)
contains.

Yxy(78.9767, 0.2553, 0.3810)	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(78.9767, 0.2553, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	63FFD5
RGB	99, 255, 213
RGB Percent	39%, 100%, 84%
CMY	0.6114, 0.0000, 0.1648
CMYK	0.61, 0.00, 0.16, 0.00
HSL	164°, 100%, 69%
HSV	164°, 61%, 100%
XYZ	52.9206, 78.9767, 75.3906
YIQ	203.5680, -79.4940, -46.1340

Conversions

Conversions Part 2

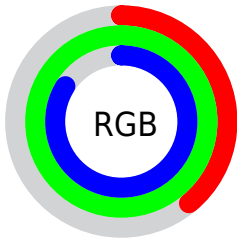
Format	Color
RYB	99, 189, 255
Decimal	6553557
CIELab	91.22, -50.83, 7.93
CIElCh	91, 51.449, 171.130
Yxy	78.9767, 0.2553, 0.3810
Android (android.graphics.Color)	4284743637 (0xFF63FFD5)
YUV	203.5680, 4.6500, -91.7061
Hunter-Lab	88.8688, -49.2253, 11.9104

Details

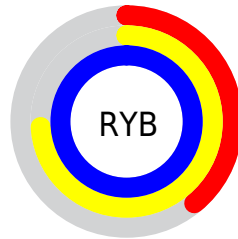
The Yxy color **78.9767, 0.2553, 0.3810** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.1273, 0.4534, 0.2883**, and the grayscale version is **60.1202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **42.4011, 0.2427, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **77.4200, 0.2512, 0.3912**, and if you desaturate by 10%, it is **81.0077, 0.2614, 0.3711**.

Distribution



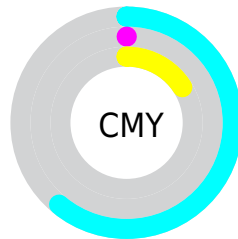
- Red (39%)
- Green (100%)
- Blue (84%)



- Red (39%)
- Yellow (74%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (61%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9767, 0.2553, 0.3810 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 78.9767, 0.2553, 0.3810 by changing the saturation by 10% instead.


 78.9767, 0.2553,
0.3810

 78.9767, 0.2553,
0.3810


491.4775, 0.2817,
0.3566


 58.8767, 0.2493,
0.3867


 131.9261, 0.2644,
0.3725

 42.5138, 0.2420,
0.3937

 165.5442, 0.2680,
0.3692

 29.5038, 0.2328,
0.4026


 204.4371, 0.2710,
0.3663

 19.4623, 0.2208,
0.4144

248.9892, 0.2737,
0.3639

 12.0048, 0.2048,
0.4306

299.5849, 0.2761,
0.3617

 6.7469, 0.1823,
0.4541


356.6086, 0.2782,


 3.3044, 0.1489,

0.3598


0.4912


420.4447, 0.2800,
0.3581

 1.2926, 0.0000,
0.6182


 0.1355, 0.0000,
1.0000


 78.9767, 0.2553,
0.3810


 78.9767, 0.2553,
0.3810


 77.4200, 0.2512,
0.3912


 81.0077, 0.2614,
0.3711


 76.2839, 0.2490,
0.4015


 83.5425, 0.2691,
0.3616


 75.5181, 0.2489,
0.4117


 86.6189, 0.2783,
0.3526

 75.0757, 0.2502,
0.4207

 90.2684, 0.2886,
0.3443

 94.5200, 0.2997,
0.3367

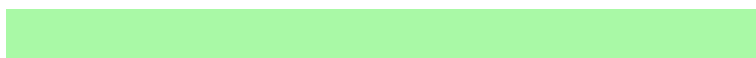
 99.4010, 0.3114,
0.3297

 99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



78.9767, 0.3099, 0.4280



78.9767, 0.2553, 0.3810



78.9767, 0.2182, 0.3190

Triad

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



78.9767, 0.2553, 0.3810



78.9767, 0.2519, 0.2355



78.9767, 0.4331, 0.3721

Complementary

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



78.9767, 0.2553, 0.3810



32.1273, 0.4534, 0.2883

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.



78.9767, 0.4162, 0.3256



78.9767, 0.2553, 0.3810



78.9767, 0.3061, 0.2510

Square

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



78.9767, 0.2553, 0.3810



78.9767, 0.2170, 0.2404



78.9767, 0.3677, 0.2829



78.9767, 0.4141, 0.4140

Rectangle

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



78.9767, 0.2553, 0.3810



78.9767, 0.2068, 0.2830



78.9767, 0.3677, 0.2829



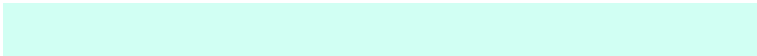
78.9767, 0.4316, 0.3567

Sweetspot

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



78.9798, 0.2553, 0.3810



91.5386, 0.2920, 0.3418



78.2849, 0.3249, 0.5150



19.3409, 0.2889, 0.3441



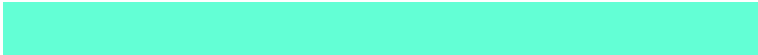
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9798, 0.2553, 0.3810



77.1793, 0.2506, 0.3931



61.7062, 0.2287, 0.2873



20.3930, 0.3016, 0.3355



39.2555, 0.2497, 0.4190



3.8404, 0.2465, 0.4074

Inverse Universe

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



32.1273, 0.4534, 0.2883



26.8302, 0.4983, 0.2864



38.9024, 0.4831, 0.3623



18.0675, 0.3252, 0.3226



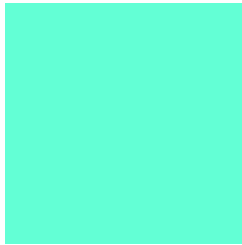
11.3527, 0.5873, 0.3009



1.1227, 0.5555, 0.2834

Previews

White Background



This preview shows how the Yxy color 78.9767, 0.2553, 0.3810 looks on a white background.

Color Contrast Check

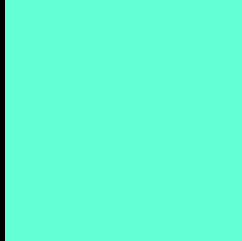
Large Text (above 18pt) WCAG AA × Fail

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 78.9767, 0.2553, 0.3810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

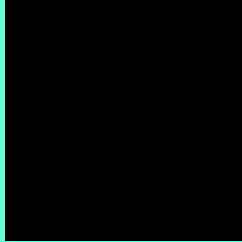
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9767, 0.2553, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 78.9767, 0.2553, 0.3810.

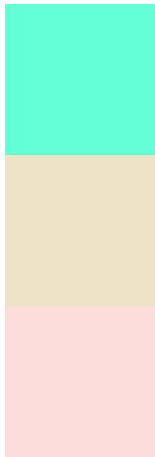


This preview shows how white text looks on a background with the Yxy color 78.9767, 0.2553, 0.3810.

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

78.9767, 0.2553, 0.3810

Protanopia

77.4124, 0.3399, 0.3586

Deuteranopia

77.2364, 0.3367, 0.3291



Tritanopia

78.2376, 0.2612, 0.3133

Trichromacy



Original Color

78.9767, 0.2553, 0.3810



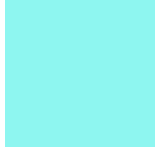
Protanomaly

75.6194, 0.3006, 0.3671



Deuteranomaly

75.1579, 0.2987, 0.3470



Tritanomaly

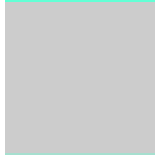
77.9536, 0.2578, 0.3358

Monochromacy



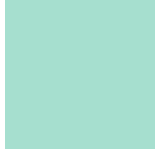
Original Color

78.9767, 0.2553, 0.3810



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3873, 0.2845, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9767, 0.2553, 0.3810 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(99, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 213)  
}
```

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(99, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 78.9767, 0.2553, 0.3810 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(99, 255, 213) }
```

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

```
.border{ border-color:rgb(99, 255, 213) }
```

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

Here you see how a box with a 4 pixel rgb(99, 255, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9767, 0.2553, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 213) }
```

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

```
.background{ background-color: rgb(99, 255,  
213) }
```

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