

Converting Colors

$Yxy(78.9630, 0.2664, 0.4010)$

Have a look what the booklet for
Yxy(78.9630, 0.2664, 0.4010)
contains.

Yxy(78.9307, 0.2665, 0.4014)	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(78.9307, 0.2665, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	6FFFC5
RGB	111, 255, 197
RGB Percent	44%, 100%, 77%
CMY	0.5643, 0.0000, 0.2274
CMYK	0.56, 0.00, 0.23, 0.00
HSL	156°, 100%, 72%
HSV	156°, 56%, 100%
XYZ	52.4042, 78.9307, 65.3037
YIQ	205.3320, -67.2060, -48.5660

Conversions

Conversions Part 2

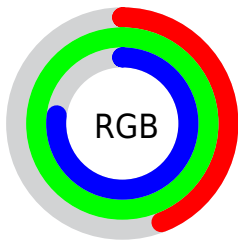
Format	Color
RYB	111, 201, 255
Decimal	7339973
CIELab	91.20, -52.09, 16.17
CIELCh	91, 54.538, 162.755
Yxy	78.9307, 0.2665, 0.4014
Android (android.graphics.Color)	4285530053 (0xFF6FFFC5)
YUV	205.3320, -4.1077, -82.7292
Hunter-Lab	88.8430, -50.1866, 18.6092

Details

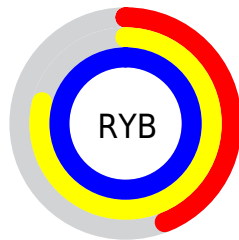
The Yxy color **78.9307, 0.2665, 0.4014** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **35.5183, 0.4124, 0.2707**, and the grayscale version is **61.3504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4464, 0.2666, 0.3299**, and **42.3277, 0.2551, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **77.0521, 0.2625, 0.4171**, and if you desaturate by 10%, it is **81.3198, 0.2722, 0.3863**.

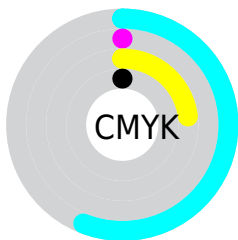
Distribution



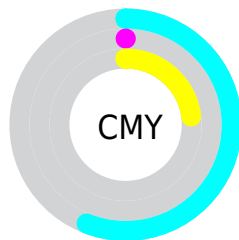
- Red (44%)
- Green (100%)
- Blue (77%)



- Red (44%)
- Yellow (79%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9307, 0.2665, 0.4014 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 78.9307, 0.2665, 0.4014 by changing the saturation by 10% instead.


 78.9307, 0.2665,
0.4014


 78.9307, 0.2665,
0.4014


491.3219, 0.2883,
0.3667


 58.8388, 0.2614,
0.4096


 131.8613, 0.2741,
0.3891

 42.4834, 0.2551,
0.4199


 165.4688, 0.2771,
0.3844

 29.4800, 0.2471,
0.4331


 204.3503, 0.2796,
0.3804

 19.4442, 0.2364,
0.4508

248.8903, 0.2818,
0.3769

 11.9917, 0.2218,
0.4756

299.4730, 0.2838,
0.3739

 6.7380, 0.2006,
0.5124


356.4829, 0.2854,


 3.2988, 0.1674,


0.3712


0.5720


420.3044, 0.2870,
0.3688


 1.2897, 0.0000,
0.8543


 0.1332, 0.0000,
1.0000


 78.9307, 0.2665,
0.4014

 78.9307, 0.2665,
0.4014

 77.0521, 0.2625,
0.4171


 81.3198, 0.2722,
0.3863


 75.6326, 0.2606,
0.4330

 84.2471, 0.2794,
0.3720

 74.6263, 0.2607,
0.4489

 87.7492, 0.2877,
0.3587

 73.9718, 0.2628,
0.4643

 91.8569, 0.2968,
0.3465

 73.7907, 0.2638,
0.4697

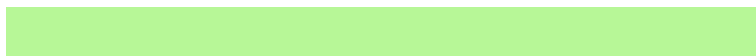
 96.5986, 0.3064,
0.3355

99.9956, 0.3127,
0.3290

Harmonies

Analogous

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



78.9307, 0.3269, 0.4419



78.9307, 0.2665, 0.4014



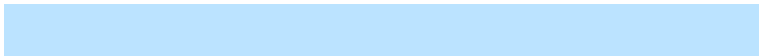
78.9307, 0.2214, 0.3362

Triad

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



78.9307, 0.2665, 0.4014



78.9307, 0.2359, 0.2298



78.9307, 0.4393, 0.3602

Complementary

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



78.9307, 0.2665, 0.4014



35.5183, 0.4124, 0.2707

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.



78.9307, 0.4109, 0.3118



78.9307, 0.2665, 0.4014



78.9307, 0.2880, 0.2405

Square

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



78.9307, 0.2665, 0.4014



78.9307, 0.2060, 0.2411



78.9307, 0.3530, 0.2696



78.9307, 0.4289, 0.4070

Rectangle

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



78.9307, 0.2665, 0.4014



78.9307, 0.2047, 0.2948



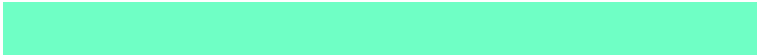
78.9307, 0.3530, 0.2696



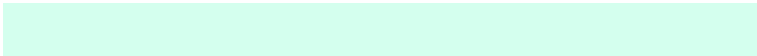
78.9307, 0.4341, 0.3438

Sweetspot

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



78.9339, 0.2665, 0.4014



91.6107, 0.2963, 0.3472



81.3302, 0.3368, 0.4941



19.4227, 0.2944, 0.3495



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.



78.9339, 0.2665, 0.4014



76.8042, 0.2621, 0.4196



74.7086, 0.2387, 0.3147



20.3503, 0.3034, 0.3387



38.5899, 0.2631, 0.4672



3.7790, 0.2583, 0.4497

Inverse Universe

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



35.5183, 0.4124, 0.2707



29.4841, 0.4456, 0.2635



36.5985, 0.4775, 0.3413



18.1084, 0.3231, 0.3195



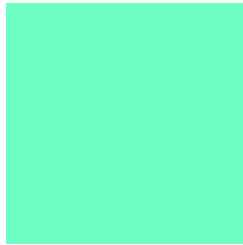
11.6455, 0.5372, 0.2733



1.1548, 0.5072, 0.2568

Previews

White Background



This preview shows how the Yxy color 78.9307, 0.2665, 0.4014 looks on a white background.

Color Contrast Check

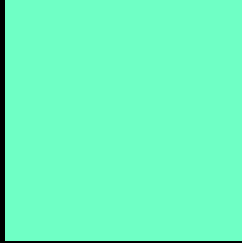
Large Text (above 18pt) WCAG AA × Fail

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 78.9307, 0.2665, 0.4014 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 78.9307, 0.2665, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 78.9307, 0.2665, 0.4014.



This preview shows how white text looks on a background with the Yxy color 78.9307, 0.2665, 0.4014.

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

78.9307, 0.2665, 0.4014

Protanopia

77.8247, 0.3521, 0.3753

Deuteranopia

77.5270, 0.3465, 0.3423



Tritanopia

78.5656, 0.2627, 0.3133

Trichromacy



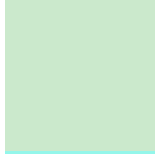
Original Color

78.9307, 0.2665, 0.4014



Protanomaly

76.2925, 0.3133, 0.3855



Deuteranomaly

75.3340, 0.3105, 0.3617



Tritanomaly

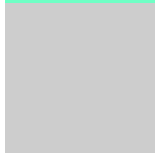
78.1479, 0.2633, 0.3429

Monochromacy



Original Color

78.9307, 0.2665, 0.4014



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6975, 0.2906, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9307, 0.2665, 0.4014 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(111, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 197)  
}
```

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(111, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 197) }
```

Border

The CSS property to change the border of an element to Yxy 78.9307, 0.2665, 0.4014 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(111, 255, 197) }
```

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

```
.border{ border-color:rgb(111, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(111, 255,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9307, 0.2665, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 255, 197) }
```

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

```
.background{ background-color: rgb(111,  
255, 197) }
```

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