

Converting Colors

$Yxy(78.4833, 0.2611, 0.3588)$

Have a look what the booklet for
Yxy(78.4833, 0.2611, 0.3588)
contains.

Yxy(78.7130, 0.2611, 0.3587)	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(78.7130, 0.2611, 0.3587)

Conversions

Conversions Part 1

Format	Color
Hex	84FAE1
RGB	132, 250, 225
RGB Percent	52%, 98%, 88%
CMY	0.4823, 0.0196, 0.1175
CMYK	0.47, 0.00, 0.10, 0.02
HSL	167°, 92%, 75%
HSV	167°, 47%, 98%
XYZ	57.2957, 78.7130, 83.4310
YIQ	211.8680, -62.3030, -32.7910

Conversions

Conversions Part 2

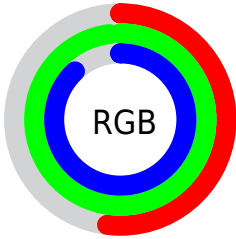
Format	Color
RYB	132, 198, 250
Decimal	8714977
CIELab	91.10, -39.28, 1.65
CIElCh	91, 39.316, 177.598
Yxy	78.7130, 0.2611, 0.3587
Android (android.graphics.Color)	4286905057 (0xFF84FAE1)
YUV	211.8680, 6.4741, -70.0442
Hunter-Lab	88.7203, -39.9851, 6.3490

Details

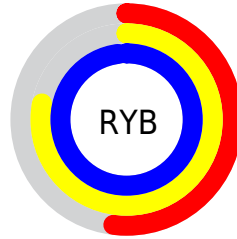
The Yxy color **78.7130, 0.2611, 0.3587** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.2616, 0.4146, 0.3028**, and the grayscale version is **65.7370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **42.3818, 0.2494, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **76.6519, 0.2539, 0.3662**, and if you desaturate by 10%, it is **81.2721, 0.2700, 0.3515**.

Distribution



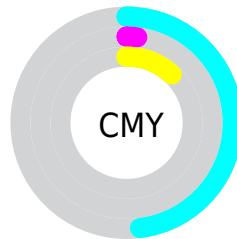
- Red (52%)
- Green (98%)
- Blue (88%)



- Red (52%)
- Yellow (78%)
- Blue (98%)



- Cyan (47%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (48%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7130, 0.2611, 0.3587 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 78.7130, 0.2611, 0.3587 by changing the saturation by 10% instead.

 78.7130, 0.2611,
0.3587


 78.7130, 0.2611,
0.3587


490.5849, 0.2846,
0.3451


 58.6599, 0.2558,
0.3618


 131.5547, 0.2692,
0.3540

 42.3394, 0.2494,
0.3655

 165.1122, 0.2723,
0.3522

 29.3671, 0.2413,
0.3703


 203.9398, 0.2751,
0.3506

 19.3587, 0.2309,
0.3764

248.4220, 0.2774,
0.3492

 11.9298, 0.2171,
0.3847

298.9432, 0.2795,
0.3480

 6.6959, 0.1977,
0.3964

355.8879, 0.2814,

 3.2726, 0.1690,

0.3469

0.4141

419.6403, 0.2831,
0.3460

■ 1.2757, 0.0767,
0.4669

■ 0.1223, 0.0000,
0.8723

■ 78.7130, 0.2611,
0.3587

■ 78.7130, 0.2611,
0.3587

■ 76.6519, 0.2539,
0.3662

■ 81.2721, 0.2700,
0.3515

■ 75.0444, 0.2485,
0.3739


■ 84.3515, 0.2803,
0.3448


■ 73.8537, 0.2450,
0.3818


■ 87.9834, 0.2916,
0.3385

■ 73.0328, 0.2436,
0.3896

■ 92.1945, 0.3037,
0.3328

 72.5215, 0.2440,
0.3974

 96.6276, 0.3150,
0.3276

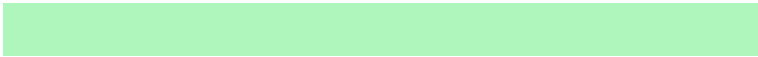
 72.4080, 0.2443,
0.3996

 96.8520, 0.3129,
0.3242

Harmonies

Analogous

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



78.7130, 0.3019, 0.3973



78.7130, 0.2611, 0.3587



78.7130, 0.2351, 0.3130

Triad

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



78.7130, 0.2611, 0.3587



78.7130, 0.2740, 0.2567



78.7130, 0.4043, 0.3721

Complementary

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



78.7130, 0.2611, 0.3587



39.2616, 0.4146, 0.3028

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.



78.7130, 0.3968, 0.3356



78.7130, 0.2611, 0.3587



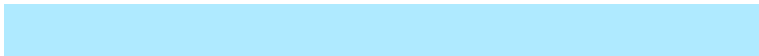
78.7130, 0.3184, 0.2720

Square

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



78.7130, 0.2611, 0.3587



78.7130, 0.2422, 0.2576



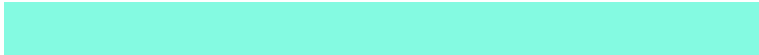
78.7130, 0.3644, 0.3001



78.7130, 0.3855, 0.4013

Rectangle

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



78.7130, 0.2611, 0.3587



78.7130, 0.2285, 0.2871



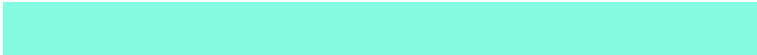
78.7130, 0.3644, 0.3001



78.7130, 0.4049, 0.3603

Sweetspot

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



78.7161, 0.2611, 0.3587



93.3696, 0.2954, 0.3366



77.2638, 0.3201, 0.4722



19.7896, 0.2928, 0.3379



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.



78.7161, 0.2611, 0.3587



80.2077, 0.2539, 0.3661



61.2121, 0.2425, 0.2884



19.5420, 0.3009, 0.3341



38.4289, 0.2440, 0.3983



3.5744, 0.2414, 0.3890

Inverse Universe

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



39.2616, 0.4146, 0.3028



34.2419, 0.4496, 0.2987



49.0588, 0.4248, 0.3648



17.2853, 0.3261, 0.3240



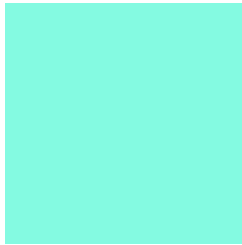
10.9332, 0.6047, 0.3105



1.0274, 0.5727, 0.2929

Previews

White Background



This preview shows how the Yxy color 78.7130, 0.2611, 0.3587 looks on a white background.

Color Contrast Check

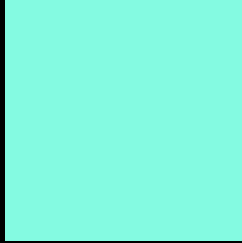
Large Text (above 18pt) WCAG AA × Fail

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 78.7130, 0.2611, 0.3587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

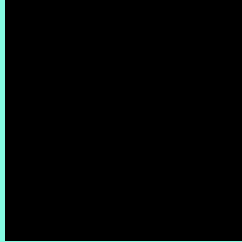
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7130, 0.2611, 0.3587

Background



This preview shows how black text looks on a background with the Yxy color 78.7130, 0.2611, 0.3587.

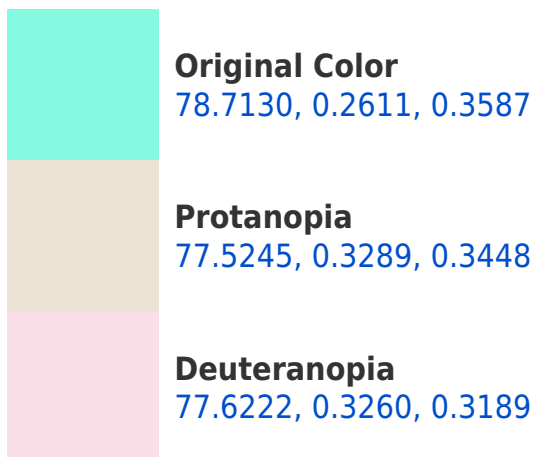


This preview shows how white text looks on a background with the Yxy color 78.7130, 0.2611, 0.3587.

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

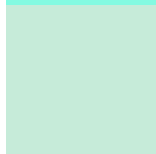
78.1981, 0.2636, 0.3123

Trichromacy



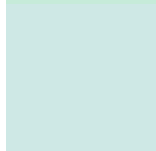
Original Color

78.7130, 0.2611, 0.3587



Protanomaly

76.4322, 0.2993, 0.3492



Deuteranomaly

76.4922, 0.2973, 0.3322



Tritanomaly

78.4011, 0.2625, 0.3289

Monochromacy



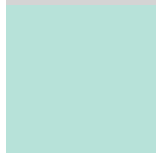
Original Color

78.7130, 0.2611, 0.3587



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.4697, 0.2895, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7130, 0.2611, 0.3587 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(132, 250, 225)` looks like.

```
.text, #text, p{  
    color:rgb(132, 250, 225)  
}
```

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(132, 250, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 250, 225) }
```

Border

The CSS property to change the border of an element to Yxy 78.7130, 0.2611, 0.3587 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(132, 250, 225) }
```

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

```
.border{ border-color:rgb(132, 250, 225) }
```

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

Here you see how a box with a 4 pixel rgb(132, 250, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 250, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 250, 225);  
box-shadow:4px 4px 4px 4px rgb(132, 250,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7130, 0.2611, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 250, 225) }
```

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

```
.background{ background-color: rgb(132,  
250, 225) }
```

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