

Converting Colors

$Yxy(77.2996, 0.2746, 0.3941)$

Have a look what the booklet for
Yxy(77.2996, 0.2746, 0.3941)
contains.

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Color

Yxy(77.3890, 0.2748, 0.3944)

Conversions

Conversions Part 1

Format	Color
Hex	85FAC5
RGB	133, 250, 197
RGB Percent	52%, 98%, 77%
CMY	0.4789, 0.0195, 0.2275
CMYK	0.47, 0.00, 0.21, 0.02
HSL	153°, 92%, 75%
HSV	153°, 47%, 98%
XYZ	53.9211, 77.3890, 64.9094
YIQ	208.9750, -52.7190, -41.2870

Conversions

Conversions Part 2

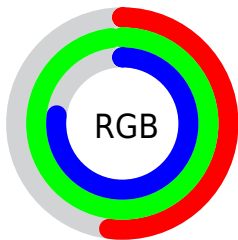
Format	Color
RYB	133, 209, 250
Decimal	8780485
CIELab	90.50, -45.14, 15.30
CIELCh	91, 47.661, 161.279
Yxy	77.3890, 0.2748, 0.3944
Android (android.graphics.Color)	4286970565 (0xFF85FAC5)
YUV	208.9750, -5.9037, -66.6301
Hunter-Lab	87.9710, -44.5391, 17.8326

Details

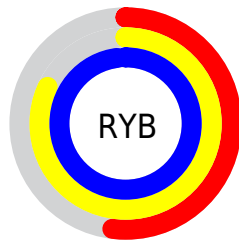
The Yxy color **77.3890, 0.2748, 0.3944** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.6129, 0.3815, 0.2734**, and the grayscale version is **63.7914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7521, 0.2762, 0.3300**, and **41.5396, 0.2653, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **75.0962, 0.2696, 0.4116**, and if you desaturate by 10%, it is **80.2111, 0.2814, 0.3782**.

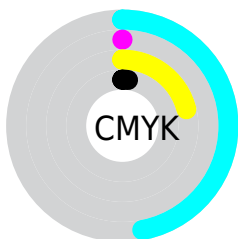
Distribution



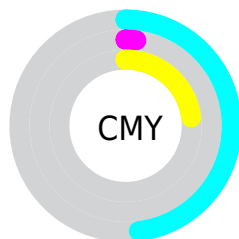
- Red (52%)
- Green (98%)
- Blue (77%)



- Red (52%)
- Yellow (82%)
- Blue (98%)



- Cyan (47%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)





- Cyan (48%)
- Magenta (2%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3890, 0.2748, 0.3944 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 77.3890, 0.2748, 0.3944 by changing the saturation by 10% instead.


 77.3890, 0.2748,
0.3944


 77.3890, 0.2748,
0.3944

486.0893, 0.2928,
0.3631

 57.5722, 0.2706,
0.4018


 129.6884, 0.2811,
0.3833

 41.4648, 0.2653,
0.4111


 162.9399, 0.2836,
0.3791

 28.6825, 0.2586,
0.4231


 201.4383, 0.2857,
0.3754

 18.8407, 0.2496,
0.4392

245.5681, 0.2875,
0.3723

 11.5553, 0.2372,
0.4617

295.7138, 0.2890,
0.3695

 6.4416, 0.2190,
0.4953


352.2596, 0.2904,


 3.1154, 0.1897,


0.3671


0.5504

415.5900, 0.2917,
0.3650


 1.1923, 0.0021,
0.8569

 0.0554, 0.0000,
1.0000


 77.3890, 0.2748,
0.3944


 77.3890, 0.2748,
0.3944

 75.0962, 0.2696,
0.4116


 80.2111, 0.2814,
0.3782


 73.2875, 0.2661,
0.4294


 83.5855, 0.2891,
0.3631

 71.9256, 0.2646,
0.4474


 87.5449, 0.2976,
0.3493

 70.9631, 0.2652,
0.4651

 92.1168, 0.3065,
0.3368

 70.3401, 0.2677,
0.4822

 96.7737, 0.3138,
0.3256

 70.1855, 0.2687,
0.4874

 96.8644, 0.3129,
0.3243

Harmonies

Analogous

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



77.3890, 0.3289, 0.4281



77.3890, 0.2748, 0.3944



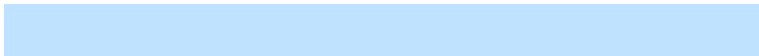
77.3890, 0.2333, 0.3388

Triad

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



77.3890, 0.2748, 0.3944



77.3890, 0.2427, 0.2404



77.3890, 0.4237, 0.3558

Complementary

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



77.3890, 0.2748, 0.3944



40.6129, 0.3815, 0.2734

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.



77.3890, 0.3970, 0.3122



77.3890, 0.2748, 0.3944



77.3890, 0.2886, 0.2489

Square

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



77.3890, 0.2748, 0.3944



77.3890, 0.2166, 0.2523



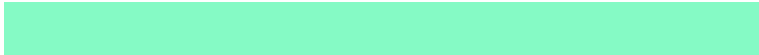
77.3890, 0.3456, 0.2745



77.3890, 0.4169, 0.3975

Rectangle

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



77.3890, 0.2748, 0.3944



77.3890, 0.2173, 0.3021



77.3890, 0.3456, 0.2745



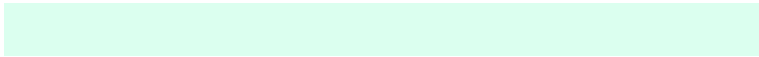
77.3890, 0.4184, 0.3411

Sweetspot

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



77.3921, 0.2748, 0.3944



92.8490, 0.3001, 0.3456



80.7087, 0.3386, 0.4629



19.6622, 0.2982, 0.3484



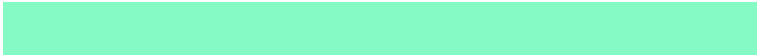
0.0000, 0.0000, 0.0000



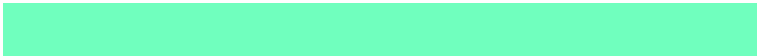
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3921, 0.2748, 0.3944



78.7107, 0.2699, 0.4102



77.8631, 0.2495, 0.3243



19.4682, 0.3041, 0.3399



37.2508, 0.2680, 0.4847



3.4715, 0.2624, 0.4645

Inverse Universe

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



40.6129, 0.3815, 0.2734



36.0610, 0.4024, 0.2640



39.8494, 0.4400, 0.3335



17.3559, 0.3223, 0.3183



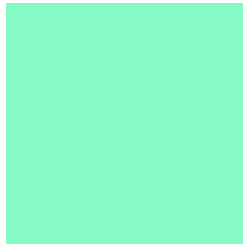
11.4433, 0.5163, 0.2618



1.0809, 0.4870, 0.2457

Previews

White Background



This preview shows how the Yxy color 77.3890, 0.2748, 0.3944 looks on a white background.

Color Contrast Check

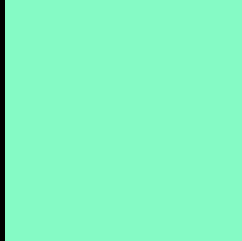
Large Text (above 18pt) WCAG AA × Fail

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 77.3890, 0.2748, 0.3944 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 77.3890, 0.2748, 0.3944

Background



This preview shows how black text looks on a background with the Yxy color 77.3890, 0.2748, 0.3944.



This preview shows how white text looks on a background with the Yxy color 77.3890, 0.2748, 0.3944.

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

77.3890, 0.2748, 0.3944

Protanopia

76.4208, 0.3504, 0.3725

Deuteranopia

76.3308, 0.3490, 0.3433



Tritanopia

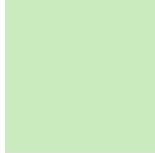
77.1685, 0.2614, 0.3110

Trichromacy



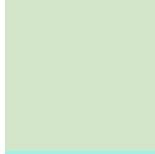
Original Color

77.3890, 0.2748, 0.3944



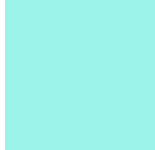
Protanomaly

75.5083, 0.3183, 0.3816



Deuteranomaly

74.7068, 0.3174, 0.3603



Tritanomaly

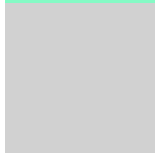
77.0103, 0.2662, 0.3393

Monochromacy



Original Color

77.3890, 0.2748, 0.3944



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.5428, 0.2954, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3890, 0.2748, 0.3944 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(133, 250, 197)` looks like.

```
.text, #text, p{  
    color:rgb(133, 250, 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(133, 250, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 250, 197) }
```

Border

The CSS property to change the border of an element to Yxy 77.3890, 0.2748, 0.3944 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(133, 250, 197) }
```

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

```
.border{ border-color:rgb(133, 250, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 250, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 250, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 250, 197); box-shadow:4px 4px 4px 4px rgb(133, 250, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3890, 0.2748, 0.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 250, 197) }
```

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

```
.background{ background-color: rgb(133,  
250, 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](#).

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