

Converting Colors

$Yxy(77.1191, 0.2795, 0.3903)$

Have a look what the booklet for
Yxy(77.1191, 0.2795, 0.3903)
contains.

Yxy(77.1413, 0.2794, 0.3900)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.1413, 0.2794, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	90F8C6
RGB	144, 248, 198
RGB Percent	56%, 97%, 78%
CMY	0.4351, 0.0274, 0.2236
CMYK	0.42, 0.00, 0.20, 0.03
HSL	151°, 88%, 77%
HSV	151°, 42%, 97%
XYZ	55.2648, 77.1413, 65.3921
YIQ	211.2040, -45.9340, -37.5980

Conversions

Conversions Part 2

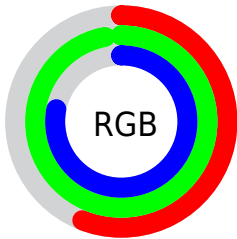
Format	Color
RYB	144, 212, 248
Decimal	9500870
CIELab	90.39, -41.24, 14.69
CIELCh	90, 43.776, 160.399
Yxy	77.1413, 0.2794, 0.3900
Android (android.graphics.Color)	4287690950 (0xFF90F8C6)
YUV	211.2040, -6.5096, -58.9379
Hunter-Lab	87.8301, -41.3862, 17.3379

Details

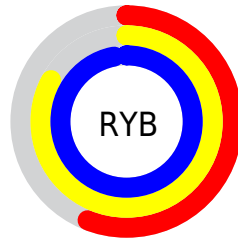
The Yxy color **77.1413, 0.2794, 0.3900** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.8118, 0.3682, 0.2761**, and the grayscale version is **65.3560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **41.3015, 0.2711, 0.4057** is the 20% darker color. If you saturate the color by 10%, you get **74.6215, 0.2737, 0.4079**, and if you desaturate by 10%, it is **80.2013, 0.2863, 0.3732**.

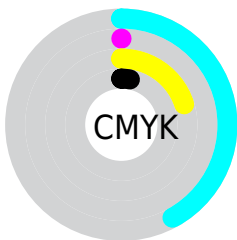
Distribution



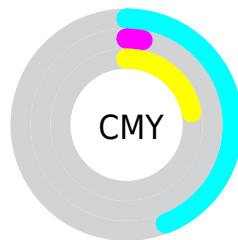
- Red (56%)
- Green (97%)
- Blue (78%)



- Red (56%)
- Yellow (83%)
- Blue (97%)



- Cyan (42%)
- Magenta (0%)
- Yellow (20%)
- Black (3%)





- Cyan (44%)
- Magenta (3%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1413, 0.2794, 0.3900 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 77.1413, 0.2794, 0.3900 by changing the saturation by 10% instead.


 77.1413, 0.2794,
0.3900

 77.1413, 0.2794,
0.3900

485.2457, 0.2952,
0.3608

 57.3689, 0.2757,
0.3969

 129.3389, 0.2850,
0.3797

 41.3015, 0.2710,
0.4055


 162.5329, 0.2871,
0.3757

 28.5547, 0.2651,
0.4167


200.9695, 0.2890,
0.3724

 18.7442, 0.2572,
0.4316

245.0331, 0.2905,
0.3694

 11.4856, 0.2462,
0.4524

295.1081, 0.2919,
0.3669

 6.3945, 0.2299,
0.4836


351.5790, 0.2932,


 3.0864, 0.2035,


0.3646


0.5348


414.8300, 0.2943,
0.3626


 1.1770, 0.0579,
0.7907


 0.0428, 0.0000,
1.0000

 77.1413, 0.2794,
0.3900


 77.1413, 0.2794,
0.3900


 74.6215, 0.2737,
0.4079


 80.2013, 0.2863,
0.3732


 72.5989, 0.2696,
0.4266

 83.8224, 0.2941,
0.3578

 71.0394, 0.2673,
0.4457

 88.0360, 0.3024,
0.3438

 69.8999, 0.2671,
0.4647

 92.8683, 0.3110,
0.3313

■ 69.1289, 0.2689,
0.4831

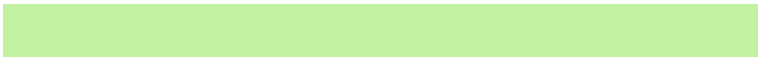
■ 95.6154, 0.3130,
0.3223

■ 68.7120, 0.2715,
0.4973

Harmonies

Analogous

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



77.1413, 0.3295, 0.4199



77.1413, 0.2794, 0.3900



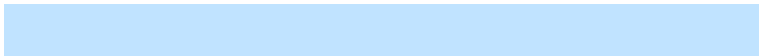
77.1413, 0.2403, 0.3398

Triad

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



77.1413, 0.2794, 0.3900



77.1413, 0.2470, 0.2469



77.1413, 0.4144, 0.3532

Complementary

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



77.1413, 0.2794, 0.3900



43.8118, 0.3682, 0.2761

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.



77.1413, 0.3890, 0.3127



77.1413, 0.2794, 0.3900



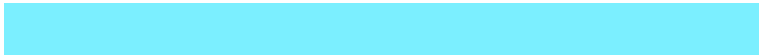
77.1413, 0.2892, 0.2541

Square

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



77.1413, 0.2794, 0.3900



77.1413, 0.2232, 0.2589



77.1413, 0.3416, 0.2776



77.1413, 0.4094, 0.3919

Rectangle

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



77.1413, 0.2794, 0.3900



77.1413, 0.2248, 0.3061



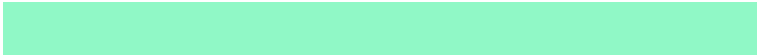
77.1413, 0.3416, 0.2776



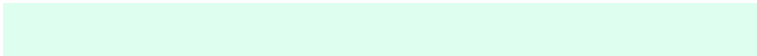
77.1413, 0.4092, 0.3395

Sweetspot

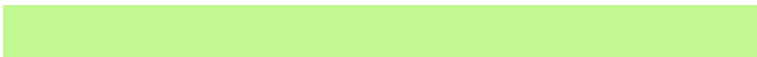
The Sweet Spot groups the original color and five complimentary colors.



77.1444, 0.2794, 0.3900



93.2610, 0.3015, 0.3453



80.6573, 0.3378, 0.4472



19.7408, 0.2996, 0.3483



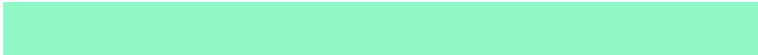
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.1444, 0.2794, 0.3900



79.9503, 0.2747, 0.4045



78.7848, 0.2551, 0.3268



19.4597, 0.3045, 0.3406



37.1465, 0.2707, 0.4945



3.4618, 0.2648, 0.4733

Inverse Universe

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



43.8118, 0.3682, 0.2761



40.2354, 0.3844, 0.2664



42.4582, 0.4212, 0.3312



17.3643, 0.3218, 0.3176



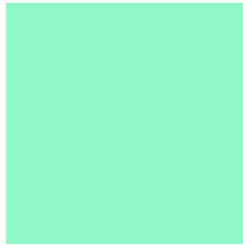
11.5321, 0.5043, 0.2552



1.0894, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 77.1413, 0.2794, 0.3900 looks on a white background.

Color Contrast Check

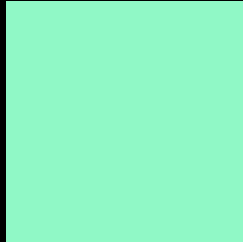
Large Text (above 18pt) WCAG AA × Fail

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 77.1413, 0.2794, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

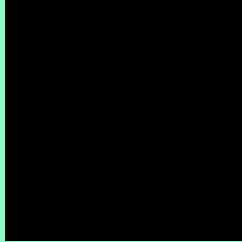
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1413, 0.2794, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 77.1413, 0.2794, 0.3900.

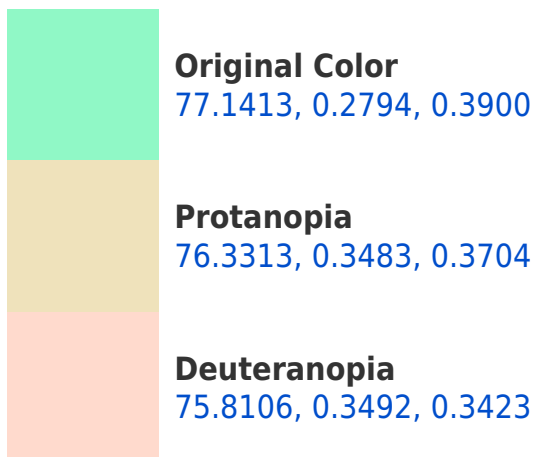


This preview shows how white text looks on a background with the Yxy color 77.1413, 0.2794, 0.3900.

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

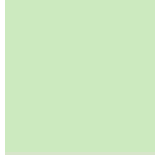
76.8041, 0.2623, 0.3099

Trichromacy



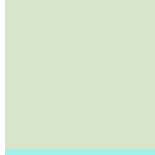
Original Color

77.1413, 0.2794, 0.3900



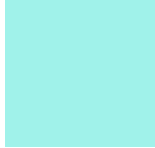
Protanomaly

75.4446, 0.3192, 0.3779



Deuteranomaly

74.7500, 0.3203, 0.3590



Tritanomaly

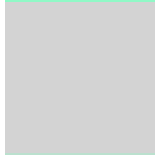
76.9184, 0.2686, 0.3381

Monochromacy



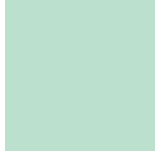
Original Color

77.1413, 0.2794, 0.3900



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.3323, 0.2987, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1413, 0.2794, 0.3900 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(144, 248, 198)` looks like.

```
.text, #text, p{  
    color:rgb(144, 248, 198)  
}
```

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(144, 248, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 248, 198) }
```

Border

The CSS property to change the border of an element to Yxy 77.1413, 0.2794, 0.3900 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(144, 248, 198) }
```

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

```
.border{ border-color:rgb(144, 248, 198) }
```

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

Here you see how a box with a 4 pixel rgb(144, 248, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 248, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 248, 198);  
box-shadow:4px 4px 4px 4px rgb(144, 248,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1413, 0.2794, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 248, 198) }
```

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

```
.background{ background-color: rgb(144,  
248, 198) }
```

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