

Converting Colors

$Yxy(78.7455, 0.2507, 0.3288)$

Have a look what the booklet for
Yxy(78.7455, 0.2507, 0.3288)
contains.

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Color

Yxy(78.8987, 0.2508, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	85F8F8
RGB	133, 248, 248
RGB Percent	52%, 97%, 97%
CMY	0.4785, 0.0274, 0.0274
CMYK	0.46, 0.00, 0.00, 0.03
HSL	180°, 89%, 75%
HSV	180°, 46%, 97%
XYZ	60.1819, 78.8987, 100.8790
YIQ	213.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

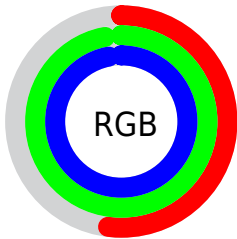
Format	Color
RYB	133, 191, 248
Decimal	8780024
CIELab	91.19, -32.67, -10.17
CIElCh	91, 34.214, 197.286
Yxy	78.8987, 0.2508, 0.3288
Android (android.graphics.Color)	4286970104 (0xFF85F8F8)
YUV	213.6150, 16.9518, -70.6994
Hunter-Lab	88.8249, -34.5040, -5.1585

Details

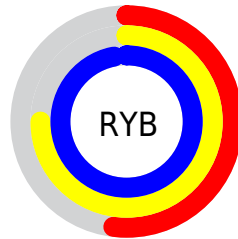
The Yxy color **78.8987, 0.2508, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.4236, 0.4401, 0.3294**, and the grayscale version is **66.8893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **42.4070, 0.2372, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **77.1146, 0.2418, 0.3288**, and if you desaturate by 10%, it is **81.1654, 0.2616, 0.3288**.

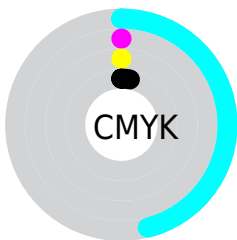
Distribution



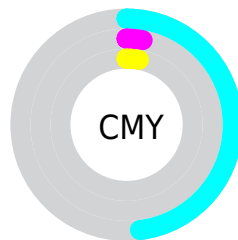
- Red (52%)
- Green (97%)
- Blue (97%)



- Red (52%)
- Yellow (75%)
- Blue (97%)



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (48%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8987, 0.2508, 0.3288 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 78.8987, 0.2508, 0.3288 by changing the saturation by 10% instead.


 78.8987, 0.2508,
0.3288

 78.8987, 0.2508,
0.3288


491.2136, 0.2785,
0.3295

 58.8125, 0.2447,
0.3285


 131.8162, 0.2602,
0.3292

 42.4622, 0.2373,
0.3280

 165.4164, 0.2639,
0.3293

 29.4634, 0.2282,
0.3273


204.2900, 0.2671,
0.3294

 19.4316, 0.2165,
0.3262

248.8215, 0.2700,
0.3294

 11.9826, 0.2013,
0.3245

299.3951, 0.2725,
0.3295

 6.7318, 0.1806,
0.3213

356.3955, 0.2747,

 3.2950, 0.1512,

0.3295

420.2068, 0.2767,
0.3295

0.3152

1.2876, 0.0906,
0.3070

0.1316, 0.0000,
0.1335

78.8987, 0.2508,
0.3288

78.8987, 0.2508,
0.3288

77.1146, 0.2418,
0.3288

81.1654, 0.2616,
0.3288

75.7698, 0.2348,
0.3287

83.9363, 0.2741,
0.3289

74.8289, 0.2297,
0.3287


87.2426, 0.2879,
0.3289

74.2466, 0.2265,
0.3287


91.1104, 0.3028,
0.3290

 73.9666, 0.2250,
0.3287


 95.1864, 0.3172,
0.3290

 73.9081, 0.2246,
0.3287

 95.1882, 0.3172,
0.3290

 95.1899, 0.3172,
0.3290

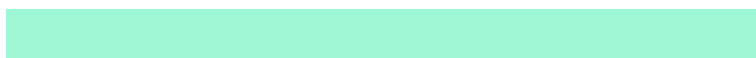
 95.1917, 0.3172,
0.3290

 95.1934, 0.3172,
0.3290

Harmonies

Analogous

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



78.8987, 0.2790, 0.3676



78.8987, 0.2508, 0.3288



78.8987, 0.2388, 0.2932

Triad

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



78.8987, 0.2508, 0.3288



78.8987, 0.3039, 0.2727



78.8987, 0.3842, 0.3851

Complementary

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



78.8987, 0.2508, 0.3288



38.4236, 0.4401, 0.3294

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.



78.8987, 0.3928, 0.3567



78.8987, 0.2508, 0.3288



78.8987, 0.3447, 0.2942

Square

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



78.8987, 0.2508, 0.3288



78.8987, 0.2678, 0.2639



78.8987, 0.3781, 0.3241



78.8987, 0.3561, 0.4005

Rectangle

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



78.8987, 0.2508, 0.3288



78.8987, 0.2408, 0.2764



78.8987, 0.3781, 0.3241



78.8987, 0.3896, 0.3766

Sweetspot

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



78.9018, 0.2508, 0.3288



93.8440, 0.2913, 0.3289



73.8240, 0.3058, 0.4756



19.9064, 0.2882, 0.3289



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

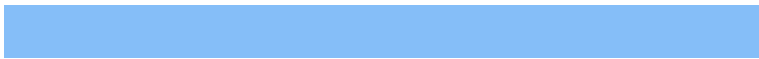
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9018, 0.2508, 0.3288



82.1874, 0.2421, 0.3288



48.8047, 0.2378, 0.2571



19.6083, 0.2980, 0.3290



39.9180, 0.2246, 0.3287



3.6972, 0.2246, 0.3287

Inverse Universe

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



43.5050, 0.3180, 0.2160



40.1115, 0.3189, 0.1965



58.6948, 0.4086, 0.3902



17.5246, 0.3138, 0.3056



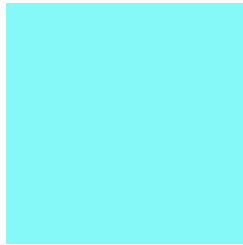
14.4407, 0.3209, 0.1542



1.3375, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 78.8987, 0.2508, 0.3288 looks on a white background.

Color Contrast Check

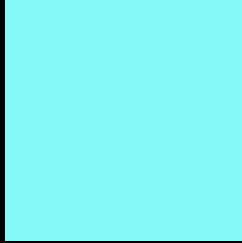
Large Text (above 18pt) WCAG AA × Fail

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 78.8987, 0.2508, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

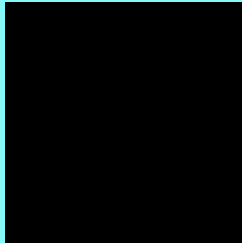
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8987, 0.2508, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 78.8987, 0.2508, 0.3288.

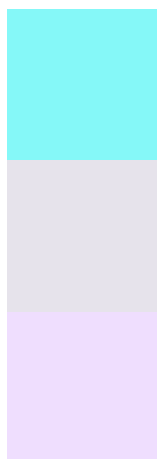


This preview shows how white text looks on a background with the Yxy color 78.8987, 0.2508, 0.3288.

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

78.8987, 0.2508, 0.3288

Protanopia

77.7593, 0.3097, 0.3207

Deuteranopia

77.7490, 0.3039, 0.2968



Tritanopia

78.7885, 0.2637, 0.3134

Trichromacy



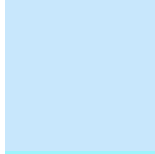
Original Color

78.8987, 0.2508, 0.3288



Protanomaly

77.3100, 0.2842, 0.3234



Deuteranomaly

76.4595, 0.2803, 0.3063



Tritanomaly

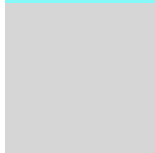
78.8977, 0.2587, 0.3198

Monochromacy



Original Color

78.8987, 0.2508, 0.3288



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.1980, 0.2855, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8987, 0.2508, 0.3288 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, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(133, 248, 248)  
}
```

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, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 248, 248) }
```

Border

The CSS property to change the border of an element to Yxy 78.8987, 0.2508, 0.3288 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, 248, 248) }
```

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

```
.border{ border-color:rgb(133, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(133, 248,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8987, 0.2508, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 248, 248) }
```

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

```
.background{ background-color: rgb(133,  
248, 248) }
```

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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