

Converting Colors

$Y_{xy}(77.2279, 0.2739, 0.3945)$

Have a look what the booklet for
Yxy(77.2279, 0.2739, 0.3945)
contains.

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Color

Yxy(77.2277, 0.2739, 0.3945)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 83FAC5 |
| RGB | 131, 250, 197 |
| RGB Percent | 51%, 98%, 77% |
| CMY | 0.4865, 0.0196, 0.2274 |
| CMYK | 0.48, 0.00, 0.21, 0.02 |
| HSL | 153°, 92%, 75% |
| HSV | 153°, 48%, 98% |
| XYZ | 53.6189, 77.2277, 64.9143 |
| YIQ | 208.3770, -53.9110, -41.7110 |

Conversions

Conversions Part 2

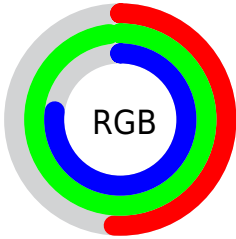
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 131, 208, 250 |
| Decimal | 8649413 |
| CIELab | 90.43, -45.59, 15.17 |
| CIELCh | 90, 48.051, 161.602 |
| Yxy | 77.2277, 0.2739, 0.3945 |
| Android (android.graphics.Color) | 4286839493 (0xFF83FAC5) |
| YUV | 208.3770, -5.6089, -67.8596 |
| Hunter-Lab | 87.8793, -44.8783, 17.7194 |

Details

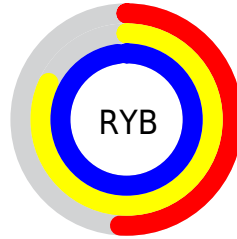
The Yxy color **77.2277, 0.2739, 0.3945** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.0024, 0.3841, 0.2735**, and the grayscale version is **63.3915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6229, 0.2757, 0.3300**, and **41.4627, 0.2645, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **74.9791, 0.2688, 0.4114**, and if you desaturate by 10%, it is **80.0017, 0.2805, 0.3785**.

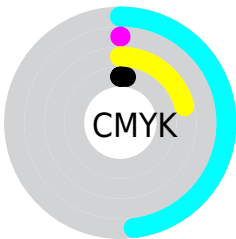
Distribution



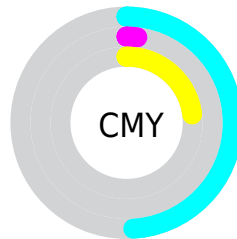
- Red (51%)
- Green (98%)
- Blue (77%)



- Red (51%)
- Yellow (82%)
- Blue (98%)



- Cyan (48%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)



- Cyan (49%)
- Magenta (2%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2277, 0.2739, 0.3945 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 77.2277, 0.2739, 0.3945 by changing the saturation by 10% instead.

 77.2277, 0.2739,
0.3945

 77.2277, 0.2739,
0.3945


485.5400, 0.2923,
0.3631


 57.4398, 0.2696,
0.4019

 129.4609, 0.2804,
0.3834

 41.3584, 0.2642,
0.4113


 162.6749, 0.2829,
0.3791

 28.5993, 0.2573,
0.4233


 201.1330, 0.2850,
0.3755

 18.7779, 0.2482,
0.4394

245.2198, 0.2869,
0.3723

 11.5099, 0.2355,
0.4619

295.3194, 0.2885,
0.3696

 6.4109, 0.2169,
0.4957


351.8164, 0.2899,


 3.0965, 0.1871,

0.3672

0.5510


415.0952, 0.2912,
0.3650

 1.1823, 0.0000,
0.8575


 0.0472, 0.0000,
1.0000

 77.2277, 0.2739,
0.3945


 77.2277, 0.2739,
0.3945


 74.9791, 0.2688,
0.4114


 80.0017, 0.2805,
0.3785

 73.2105, 0.2654,
0.4289


 83.3242, 0.2882,
0.3636


 71.8841, 0.2640,
0.4466


 87.2280, 0.2967,
0.3499

 70.9518, 0.2646,
0.4640

 91.7409, 0.3057,
0.3375

 70.3505, 0.2672,
0.4808

 96.7075, 0.3143,
0.3265

 70.2341, 0.2680,
0.4847

 96.8576, 0.3129,
0.3243

Harmonies

Analogous

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



77.2277, 0.3283, 0.4288



77.2277, 0.2739, 0.3945



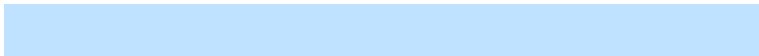
77.2277, 0.2323, 0.3382

Triad

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



77.2277, 0.2739, 0.3945



77.2277, 0.2425, 0.2397



77.2277, 0.4248, 0.3564

Complementary

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



77.2277, 0.2739, 0.3945



40.0024, 0.3841, 0.2735

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.



77.2277, 0.3982, 0.3125



77.2277, 0.2739, 0.3945



77.2277, 0.2889, 0.2485

Square

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



77.2277, 0.2739, 0.3945



77.2277, 0.2160, 0.2514



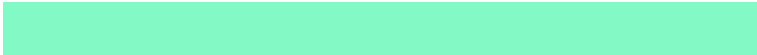
77.2277, 0.3465, 0.2744



77.2277, 0.4175, 0.3984

Rectangle

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



77.2277, 0.2739, 0.3945



77.2277, 0.2163, 0.3013



77.2277, 0.3465, 0.2744



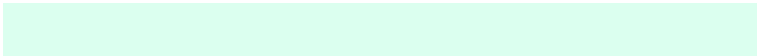
77.2277, 0.4195, 0.3416

Sweetspot

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



77.2308, 0.2739, 0.3945



92.8652, 0.2999, 0.3453



80.2703, 0.3376, 0.4658



19.6662, 0.2980, 0.3480



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.



77.2308, 0.2739, 0.3945



78.5439, 0.2690, 0.4105



76.4596, 0.2483, 0.3219



19.4705, 0.3040, 0.3398



37.2804, 0.2672, 0.4820



3.4742, 0.2617, 0.4620

Inverse Universe

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



40.0024, 0.3841, 0.2735



35.4057, 0.4062, 0.2641



39.8262, 0.4421, 0.3356



17.3536, 0.3224, 0.3185



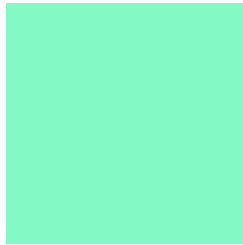
11.4203, 0.5195, 0.2635



1.0787, 0.4899, 0.2472

Previews

White Background



This preview shows how the Yxy color 77.2277, 0.2739, 0.3945 looks on a white background.

Color Contrast Check

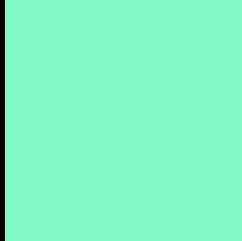
Large Text (above 18pt) WCAG AA × Fail

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 77.2277, 0.2739, 0.3945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

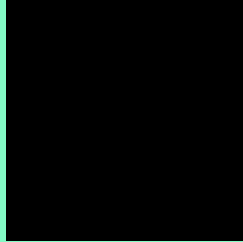
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

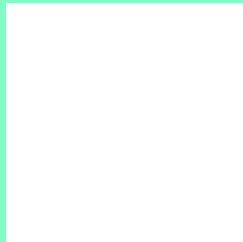
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2277, 0.2739, 0.3945

Background



This preview shows how black text looks on a background with the Yxy color 77.2277, 0.2739, 0.3945.

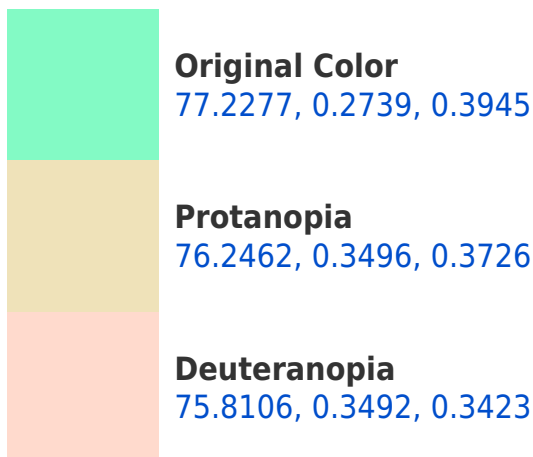


This preview shows how white text looks on a background with the Yxy color 77.2277, 0.2739, 0.3945.

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

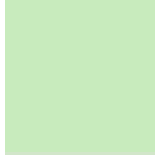
76.9523, 0.2604, 0.3110

Trichromacy



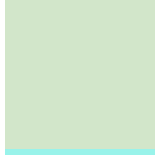
Original Color

77.2277, 0.2739, 0.3945



Protanomaly

75.3701, 0.3176, 0.3817



Deuteranomaly

74.5595, 0.3167, 0.3603



Tritanomaly

76.8140, 0.2652, 0.3393

Monochromacy



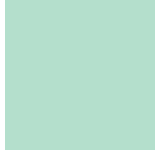
Original Color

77.2277, 0.2739, 0.3945



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

66.8383, 0.2953, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2277, 0.2739, 0.3945 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(131, 250, 197)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 250, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 250, 197) }
```

Border

The CSS property to change the border of an element to Yxy 77.2277, 0.2739, 0.3945 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(131, 250, 197) }
```

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

```
.border{ border-color:rgb(131, 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(131, 250, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 250, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 250, 197);  
box-shadow:4px 4px 4px 4px rgb(131, 250,  
197) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.2277, 0.2739, 0.3945$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 250, 197) }
```

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

```
.background{ background-color: rgb(131,  
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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