

Converting Colors

$Yxy(78.6667, 0.2616, 0.3594)$

Have a look what the booklet for
Yxy(78.6667, 0.2616, 0.3594)
contains.

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Color

Yxy(78.7396, 0.2620, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	85FAE0
RGB	133, 250, 224
RGB Percent	52%, 98%, 88%
CMY	0.4786, 0.0196, 0.1217
CMYK	0.47, 0.00, 0.10, 0.02
HSL	167°, 92%, 75%
HSV	167°, 47%, 98%
XYZ	57.3049, 78.7396, 82.6766
YIQ	212.0530, -61.3860, -32.8900

Conversions

Conversions Part 2

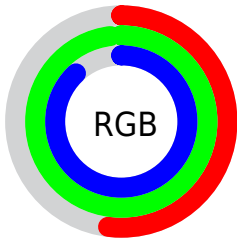
Format	Color
RYB	133, 199, 250
Decimal	8780512
CIELab	91.12, -39.31, 2.22
CIElCh	91, 39.374, 176.765
Yxy	78.7396, 0.2620, 0.3600
Android (android.graphics.Color)	4286970592 (0xFF85FAE0)
YUV	212.0530, 5.8899, -69.3295
Hunter-Lab	88.7353, -40.0122, 6.8730

Details

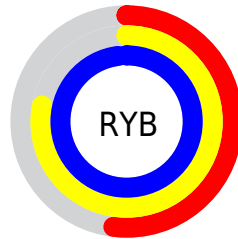
The Yxy color **78.7396, 0.2620, 0.3600** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.5949, 0.4119, 0.3016**, and the grayscale version is **65.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **42.3822, 0.2503, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **76.6480, 0.2548, 0.3679**, and if you desaturate by 10%, it is **81.3314, 0.2709, 0.3525**.

Distribution



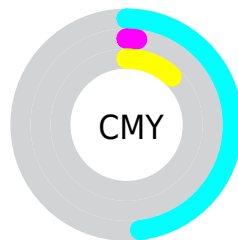
- Red (52%)
- Green (98%)
- Blue (88%)



- 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 78.7396, 0.2620, 0.3600 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 78.7396, 0.2620, 0.3600 by changing the saturation by 10% instead.


 78.7396, 0.2620,
0.3600


 78.7396, 0.2620,
0.3600

490.6750, 0.2851,
0.3458


 58.6817, 0.2568,
0.3632


 131.5922, 0.2699,
0.3551

 42.3570, 0.2505,
0.3672


 165.1557, 0.2730,
0.3532

 29.3809, 0.2425,
0.3722


 203.9899, 0.2757,
0.3515

 19.3692, 0.2322,
0.3787

248.4792, 0.2781,
0.3501

 11.9373, 0.2185,
0.3875

299.0080, 0.2801,
0.3488

 6.7010, 0.1994,
0.3999

355.9606, 0.2820,

 3.2758, 0.1709,

0.3477

0.4189

419.7215, 0.2836,
0.3467

■ 1.2774, 0.0781,
0.4750

■ 0.1236, 0.0000,
1.0000

■ 78.7396, 0.2620,
0.3600

■ 78.7396, 0.2620,
0.3600

■ 76.6480, 0.2548,
0.3679

■ 81.3314, 0.2709,
0.3525

■ 75.0124, 0.2494,
0.3761


■ 84.4457, 0.2810,
0.3454

■ 73.7961, 0.2460,
0.3844


■ 88.1146, 0.2923,
0.3388


■ 72.9526, 0.2446,
0.3927

■ 92.3647, 0.3043,
0.3328

 72.4230, 0.2451,
0.4009

 96.6534, 0.3148,
0.3273

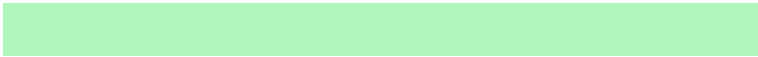
 72.2914, 0.2454,
0.4035

 96.8589, 0.3129,
0.3243

Harmonies

Analogous

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



78.7396, 0.3031, 0.3982



78.7396, 0.2620, 0.3600



78.7396, 0.2355, 0.3142

Triad

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



78.7396, 0.2620, 0.3600



78.7396, 0.2728, 0.2564



78.7396, 0.4046, 0.3712

Complementary

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



78.7396, 0.2620, 0.3600



39.5949, 0.4119, 0.3016

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.



78.7396, 0.3963, 0.3346



78.7396, 0.2620, 0.3600



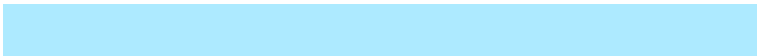
78.7396, 0.3171, 0.2713

Square

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



78.7396, 0.2620, 0.3600



78.7396, 0.2415, 0.2578



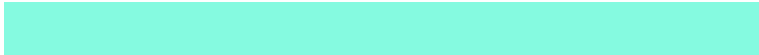
78.7396, 0.3633, 0.2991



78.7396, 0.3864, 0.4008

Rectangle

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



78.7396, 0.2620, 0.3600



78.7396, 0.2285, 0.2880



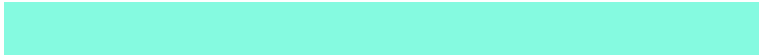
78.7396, 0.3633, 0.2991



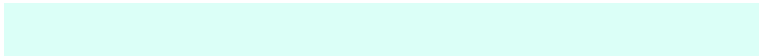
78.7396, 0.4049, 0.3593

Sweetspot

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



78.7427, 0.2620, 0.3600



93.3456, 0.2956, 0.3370



77.5733, 0.3212, 0.4704



19.7837, 0.2930, 0.3384



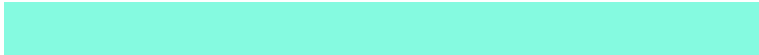
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.7427, 0.2620, 0.3600



80.3179, 0.2553, 0.3673



62.4450, 0.2435, 0.2913



19.5386, 0.3010, 0.3343



38.3639, 0.2450, 0.4021



3.5689, 0.2423, 0.3923

Inverse Universe

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



39.5949, 0.4119, 0.3016



34.9053, 0.4438, 0.2974



48.6330, 0.4246, 0.3625



17.2884, 0.3259, 0.3237



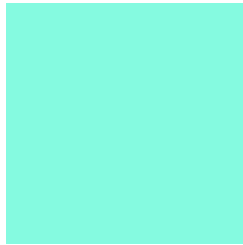
10.9475, 0.6016, 0.3088



1.0291, 0.5693, 0.2910

Previews

White Background



This preview shows how the Yxy color 78.7396, 0.2620, 0.3600 looks on a white background.

Color Contrast Check

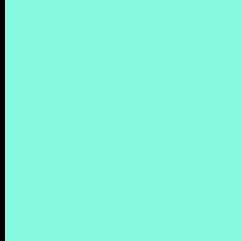
Large Text (above 18pt) WCAG AA × Fail

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 78.7396, 0.2620, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

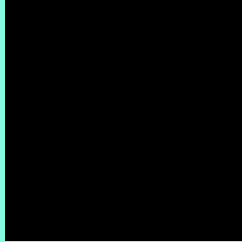
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

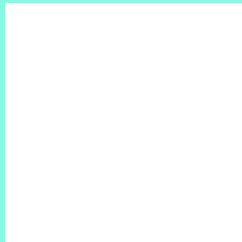
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7396, 0.2620, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 78.7396, 0.2620, 0.3600.

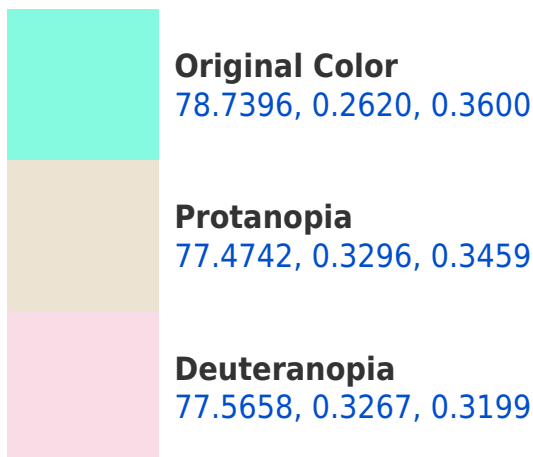


This preview shows how white text looks on a background with the Yxy color 78.7396, 0.2620, 0.3600.

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

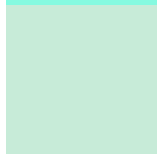
78.3108, 0.2641, 0.3123

Trichromacy



Original Color

78.7396, 0.2620, 0.3600



Protanomaly

76.5166, 0.3006, 0.3503



Deuteranomaly

76.5801, 0.2986, 0.3333



Tritanomaly

78.5021, 0.2630, 0.3289

Monochromacy



Original Color

78.7396, 0.2620, 0.3600



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.4179, 0.2901, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7396, 0.2620, 0.3600 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(133, 250, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 250, 224) }
```

Border

The CSS property to change the border of an element to Yxy 78.7396, 0.2620, 0.3600 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, 224) }
```

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

```
.border{ border-color:rgb(133, 250, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 250, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 250, 224);  
box-shadow:4px 4px 4px 4px rgb(133, 250,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7396, 0.2620, 0.3600 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, 224) }
```

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

```
.background{ background-color: rgb(133,  
250, 224) }
```

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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