

Converting Colors

$Y_{xy}(79.2633, 0.2591, 0.3528)$

Have a look what the booklet for
Yxy(79.2633, 0.2591, 0.3528)
contains.

Yxy(79.0709, 0.2592, 0.3526)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(79.0709, 0.2592, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	85FAE6
RGB	133, 250, 230
RGB Percent	52%, 98%, 90%
CMY	0.4789, 0.0195, 0.0981
CMYK	0.47, 0.00, 0.08, 0.02
HSL	170°, 92%, 75%
HSV	170°, 47%, 98%
XYZ	58.1259, 79.0709, 87.0542
YIQ	212.7370, -63.3120, -31.0240

Conversions

Conversions Part 2

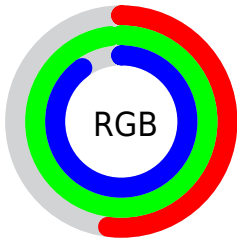
Format	Color
RYB	133, 197, 250
Decimal	8780518
CIELab	91.27, -37.95, -0.68
CIELCh	91, 37.956, 181.033
Yxy	79.0709, 0.2592, 0.3526
Android (android.graphics.Color)	4286970598 (0xFF85FAE6)
YUV	212.7370, 8.5107, -69.9293
Hunter-Lab	88.9218, -38.9324, 4.2005

Details

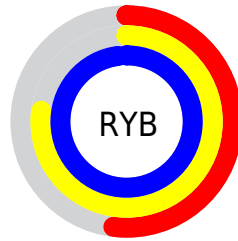
The Yxy color **79.0709, 0.2592, 0.3526** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **39.3674, 0.4190, 0.3081**, and the grayscale version is **66.3111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **42.6128, 0.2471, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **77.0404, 0.2516, 0.3586**, and if you desaturate by 10%, it is **81.5976, 0.2685, 0.3469**.

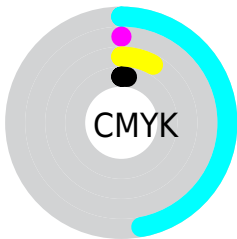
Distribution



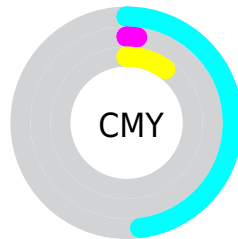
- Red (52%)
- Green (98%)
- Blue (90%)



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



- Cyan (47%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (48%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.0709, 0.2592, 0.3526 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 79.0709, 0.2592, 0.3526 by changing the saturation by 10% instead.

 79.0709, 0.2592,
0.3526


 79.0709, 0.2592,
0.3526


491.7962, 0.2834,
0.3420


 58.9541, 0.2538,
0.3550


 132.0587, 0.2675,
0.3490

 42.5762, 0.2472,
0.3578


 165.6984, 0.2708,
0.3475

 29.5527, 0.2390,
0.3614


 204.6146, 0.2736,
0.3463

 19.4993, 0.2284,
0.3660

249.1917, 0.2760,
0.3452

 12.0316, 0.2143,
0.3721

299.8140, 0.2782,
0.3443

 6.7652, 0.1948,
0.3804


356.8659, 0.2801,


 3.3157, 0.1662,


0.3434


420.7318, 0.2819,
0.3427


0.3926


 1.2987, 0.0854,
0.4280


 0.1402, 0.0000,
0.4115


 79.0709, 0.2592,
0.3526


 79.0709, 0.2592,
0.3526


 77.0404, 0.2516,
0.3586


 81.5976, 0.2685,
0.3469


 75.4619, 0.2458,
0.3647


 84.6426, 0.2792,
0.3415

 74.2987, 0.2420,
0.3709

 88.2380, 0.2911,
0.3365

 73.5043, 0.2402,
0.3771

 92.4106, 0.3037,
0.3319

 73.0197, 0.2401,
0.3832

 96.6326, 0.3151,
0.3277

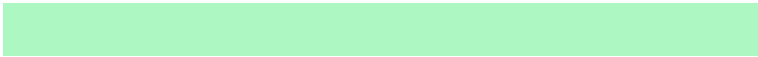
 72.9027, 0.2403,
0.3852

 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.



79.0709, 0.2974, 0.3913



79.0709, 0.2592, 0.3526



79.0709, 0.2360, 0.3090

Triad

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



79.0709, 0.2592, 0.3526



79.0709, 0.2798, 0.2600



79.0709, 0.4002, 0.3746

Complementary

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



79.0709, 0.2592, 0.3526



39.3674, 0.4190, 0.3081

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.



79.0709, 0.3959, 0.3397



79.0709, 0.2592, 0.3526



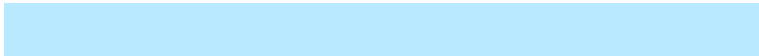
79.0709, 0.3235, 0.2765

Square

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



79.0709, 0.2592, 0.3526



79.0709, 0.2473, 0.2590



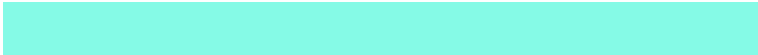
79.0709, 0.3670, 0.3048



79.0709, 0.3796, 0.4011

Rectangle

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



79.0709, 0.2592, 0.3526



79.0709, 0.2311, 0.2850



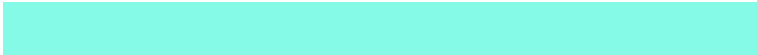
79.0709, 0.3670, 0.3048



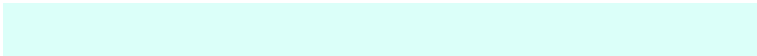
79.0709, 0.4017, 0.3634

Sweetspot

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



79.0740, 0.2592, 0.3526



93.4597, 0.2946, 0.3352



76.9797, 0.3177, 0.4721



19.8117, 0.2919, 0.3362



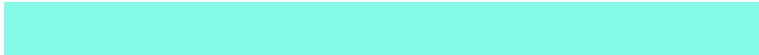
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.0740, 0.2592, 0.3526



80.7239, 0.2521, 0.3581



59.4321, 0.2421, 0.2838



19.5546, 0.3003, 0.3331



38.6813, 0.2401, 0.3842



3.5956, 0.2380, 0.3768

Inverse Universe

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



39.3674, 0.4190, 0.3081



34.6877, 0.4532, 0.3050



50.7584, 0.4215, 0.3687



17.2736, 0.3267, 0.3250



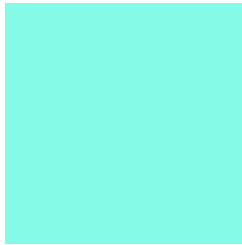
10.8862, 0.6150, 0.3162



1.0214, 0.5851, 0.2997

Previews

White Background



This preview shows how the Yxy color 79.0709, 0.2592, 0.3526 looks on a white background.

Color Contrast Check

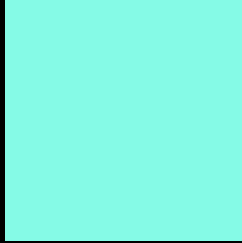
Large Text (above 18pt) WCAG AA × Fail

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 79.0709, 0.2592, 0.3526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

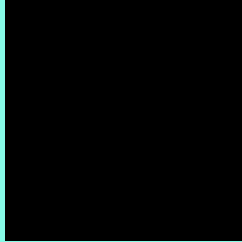
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.0709, 0.2592, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 79.0709, 0.2592, 0.3526.

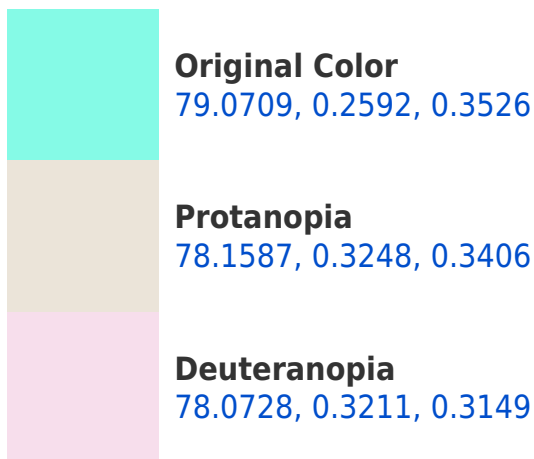


This preview shows how white text looks on a background with the Yxy color 79.0709, 0.2592, 0.3526.

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

78.4244, 0.2646, 0.3123

Trichromacy



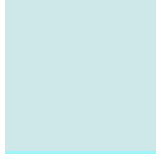
Original Color

79.0709, 0.2592, 0.3526



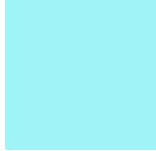
Protanomaly

77.2706, 0.2964, 0.3446



Deuteranomaly

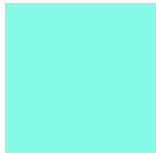
76.7756, 0.2944, 0.3268



Tritanomaly

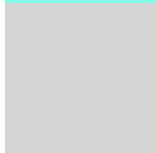
78.6243, 0.2620, 0.3266

Monochromacy



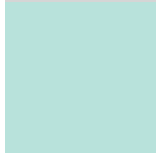
Original Color

79.0709, 0.2592, 0.3526



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.6975, 0.2890, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.0709, 0.2592, 0.3526 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(133, 250, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 250, 230) }
```

Border

The CSS property to change the border of an element to Yxy 79.0709, 0.2592, 0.3526 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, 230) }
```

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

```
.border{ border-color:rgb(133, 250, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 250, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 250, 230);  
box-shadow:4px 4px 4px 4px rgb(133, 250,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 79.0709, 0.2592, 0.3526 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, 230) }
```

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

```
.background{ background-color: rgb(133,  
250, 230) }
```

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