

Converting Colors

$Y_{xy}(71.2019, 0.2815, 0.3691)$

Have a look what the booklet for
Yxy(71.2019, 0.2815, 0.3691)
contains.

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Color

Yxy(71.2713, 0.2814, 0.3694)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9BECCB |
| RGB | 155, 236, 203 |
| RGB Percent | 61%, 93%, 80% |
| CMY | 0.3921, 0.0745, 0.2040 |
| CMYK | 0.34, 0.00, 0.14, 0.07 |
| HSL | 156°, 68%, 77% |
| HSV | 156°, 34%, 93% |
| XYZ | 54.2928, 71.2713, 67.3740 |
| YIQ | 208.0190, -37.6830, -27.4350 |

Conversions

Conversions Part 2

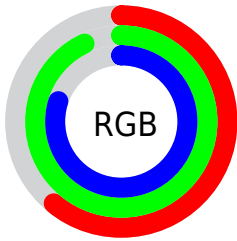
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 155, 206, 236 |
| Decimal | 10218699 |
| CIELab | 87.62, -31.76, 8.22 |
| CIElCh | 88, 32.808, 165.487 |
| Yxy | 71.2713, 0.2814, 0.3694 |
| Android (android.graphics.Color) | 4288408779 (0xFF9BECCB) |
| YUV | 208.0190, -2.4744, -46.4977 |
| Hunter-Lab | 84.4223, -32.9441, 11.7787 |

Details

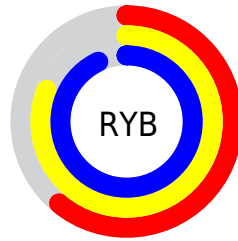
The Yxy color **71.2713, 0.2814, 0.3694** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.9185, 0.3605, 0.2923**, and the grayscale version is **63.1278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **37.5218, 0.2734, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **68.7176, 0.2740, 0.3836**, and if you desaturate by 10%, it is **74.3157, 0.2898, 0.3562**.

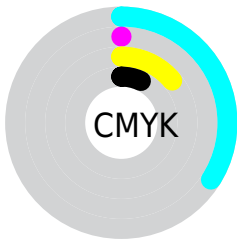
Distribution



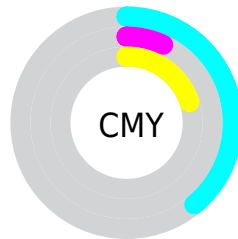
- Red (61%)
- Green (93%)
- Blue (80%)



- Red (61%)
- Yellow (81%)
- Blue (93%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)





- Cyan (39%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2713, 0.2814, 0.3694 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 71.2713, 0.2814, 0.3694 by changing the saturation by 10% instead.

 71.2713, 0.2814,
0.3694


 71.2713, 0.2814,
0.3694


465.0013, 0.2962,
0.3501

 52.5636, 0.2779,
0.3740


 121.0199, 0.2866,
0.3626

 37.4545, 0.2736,
0.3797


 152.8297, 0.2886,
0.3600

 25.5596, 0.2681,
0.3871


189.7756, 0.2903,
0.3577

 16.4945, 0.2608,
0.3970

232.2421, 0.2918,
0.3558

 9.8747, 0.2507,
0.4110

280.6135, 0.2931,
0.3541

 5.3160, 0.2357,
0.4320


335.2742, 0.2943,


 2.4338, 0.2114,


0.3526


0.4672


396.6087, 0.2953,
0.3513


 0.8432, 0.0215,
0.6953


 0.0000, 0.0000,
0.0000


 71.2713, 0.2814,
0.3694

 71.2713, 0.2814,
0.3694


 68.7176, 0.2740,
0.3836


 74.3157, 0.2898,
0.3562


 66.6186, 0.2680,
0.3987

 77.8670, 0.2989,
0.3442

 64.9473, 0.2637,
0.4144


 81.9514, 0.3085,
0.3333

 63.6698, 0.2613,
0.4305


 86.5908, 0.3183,
0.3236

 62.7473, 0.2609,
0.4465

 88.2246, 0.3160,
0.3144

 62.1321, 0.2626,
0.4622

 88.4727, 0.3136,
0.3107

 61.8780, 0.2641,
0.4709

Harmonies

Analogous

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



71.2713, 0.3198, 0.3954



71.2713, 0.2814, 0.3694



71.2713, 0.2525, 0.3312

Triad

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



71.2713, 0.2814, 0.3694



71.2713, 0.2663, 0.2644



71.2713, 0.3919, 0.3547

Complementary

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



71.2713, 0.2814, 0.3694



44.9185, 0.3605, 0.2923

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.



71.2713, 0.3760, 0.3222



71.2713, 0.2814, 0.3694



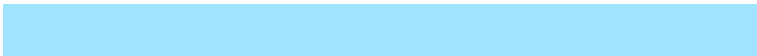
71.2713, 0.3016, 0.2722

Square

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



71.2713, 0.2814, 0.3694



71.2713, 0.2444, 0.2719



71.2713, 0.3421, 0.2929



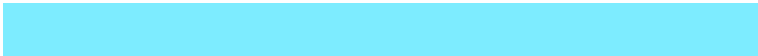
71.2713, 0.3848, 0.3833

Rectangle

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



71.2713, 0.2814, 0.3694



71.2713, 0.2419, 0.3062



71.2713, 0.3421, 0.2929



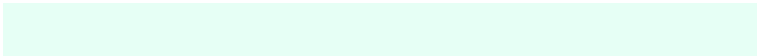
71.2713, 0.3891, 0.3439

Sweetspot

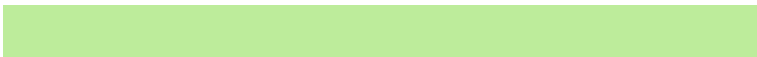
The Sweet Spot groups the original color and five complimentary colors.



71.2742, 0.2814, 0.3694



94.8284, 0.3030, 0.3394



73.1492, 0.3302, 0.4249



20.1529, 0.3016, 0.3410



0.0000, 0.0000, 0.0000



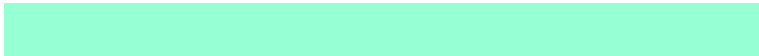
21.4041, 0.3127, 0.3290

Same Dimension

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



71.2742, 0.2814, 0.3694



82.8178, 0.2762, 0.3790



69.2074, 0.2631, 0.3209



17.0118, 0.3035, 0.3388



34.1336, 0.2635, 0.4684



2.6993, 0.2575, 0.4470

Inverse Universe

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



44.9185, 0.3605, 0.2923



47.0714, 0.3743, 0.2848



45.9622, 0.3913, 0.3369



15.1559, 0.3229, 0.3194



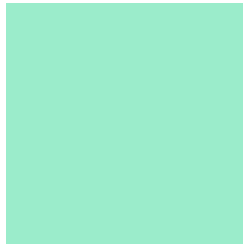
10.3223, 0.5342, 0.2717



0.8292, 0.4980, 0.2517

Previews

White Background



This preview shows how the Yxy color 71.2713, 0.2814, 0.3694 looks on a white background.

Color Contrast Check

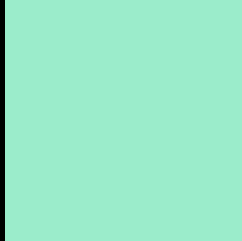
Large Text (above 18pt) WCAG AA × Fail

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 71.2713, 0.2814, 0.3694 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

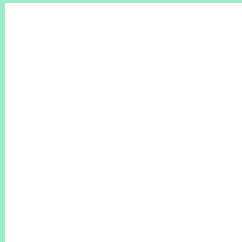
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.2713, 0.2814, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 71.2713, 0.2814, 0.3694.

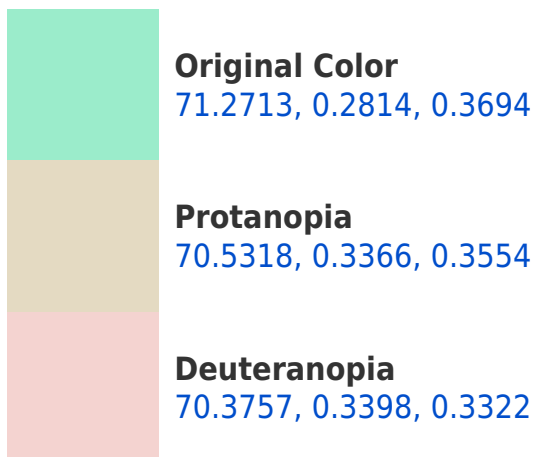


This preview shows how white text looks on a background with the Yxy color 71.2713, 0.2814, 0.3694.

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

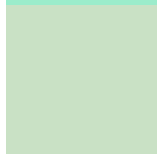
71.3703, 0.2624, 0.3083

Trichromacy



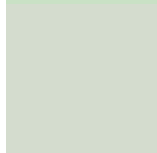
Original Color

71.2713, 0.2814, 0.3694



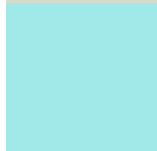
Protanomaly

70.2992, 0.3140, 0.3613



Deuteranomaly

69.6397, 0.3163, 0.3448



Tritanomaly

71.1165, 0.2688, 0.3289

Monochromacy



Original Color

71.2713, 0.2814, 0.3694



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.4179, 0.3001, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2713, 0.2814, 0.3694 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(155, 236, 203)` looks like.

```
.text, #text, p{  
    color:rgb(155, 236, 203)  
}
```

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(155, 236, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 236, 203) }
```

Border

The CSS property to change the border of an element to Yxy 71.2713, 0.2814, 0.3694 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(155, 236, 203) }
```

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

```
.border{ border-color:rgb(155, 236, 203) }
```

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

Here you see how a box with a 4 pixel rgb(155, 236, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 236, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 236, 203);  
box-shadow:4px 4px 4px 4px rgb(155, 236,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2713, 0.2814, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 236, 203) }
```

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

```
.background{ background-color: rgb(155,  
236, 203) }
```

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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