

Converting Colors

Yxy(79.2868, 0.2735, 0.3456)

Have a look what the booklet for
Yxy(79.2868, 0.2735, 0.3456)
contains.

Yxy(79.1813, 0.2736, 0.3449)	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(79.1813, 0.2736, 0.3449)

Conversions

Conversions Part 1	
Format	Color
Hex	A6F5E7
RGB	166, 245, 231
RGB Percent	65%, 96%, 91%
CMY	0.3488, 0.0392, 0.0941
CMYK	0.32, 0.00, 0.06, 0.04
HSL	169°, 80%, 81%
HSV	169°, 32%, 96%
XYZ	62.8124, 79.1813, 87.5838
YIQ	219.7830, -42.5900, -21.1020

Conversions

Conversions Part 2

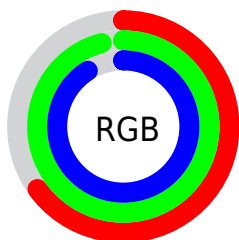
Format	Color
RYB	166, 209, 245
Decimal	10941927
CIELab	91.32, -27.05, -0.97
CIELCh	91, 27.070, 182.062
Yxy	79.1813, 0.2736, 0.3449
Android (android.graphics.Color)	4289132007 (0xFFA6F5E7)
YUV	219.7830, 5.5300, -47.1677
Hunter-Lab	88.9839, -29.7212, 3.9316

Details

The Yxy color **79.1813, 0.2736, 0.3449** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.0024, 0.3739, 0.3140**, and the grayscale version is **71.4047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **42.4805, 0.2645, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **76.5408, 0.2637, 0.3507**, and if you desaturate by 10%, it is **82.3386, 0.2848, 0.3395**.

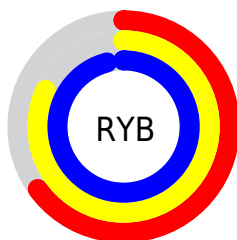
Distribution



Red (65%)

Green (96%)

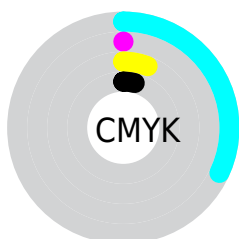
Blue (91%)



Red (65%)

Yellow (82%)

Blue (96%)

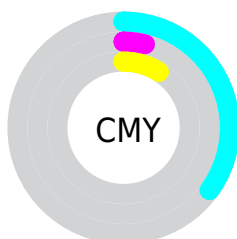


Cyan (32%)

Magenta (0%)

Yellow (6%)

Black (4%)



Cyan (35%)


Magenta (4%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 79.1813, 0.2736, 0.3449 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 79.1813, 0.2736, 0.3449 by changing the saturation by 10% instead.


 79.1813, 0.2736,
0.3449

 79.1813, 0.2736,
0.3449


 492.1695, 0.2913,
0.3377


 59.0449, 0.2696,
0.3465


 132.2141, 0.2797,
0.3425


 42.6493, 0.2648,
0.3484


 165.8792, 0.2821,
0.3415

 29.6100, 0.2587,
0.3509


 204.8227, 0.2841,
0.3407

 19.5428, 0.2508,
0.3540

 249.4290, 0.2859,
0.3399

 12.0631, 0.2403,
0.3581

 300.0824, 0.2875,
0.3393

 6.7867, 0.2257,
0.3638


 357.1673, 0.2889,


 3.3291, 0.2037,


0.3387


0.3723

421.0682, 0.2902,
0.3382

 1.3058, 0.1584,
0.3900


 0.1457, 0.0000,
0.3912


 79.1813, 0.2736,
0.3449

 79.1813, 0.2736,
0.3449

 76.5408, 0.2637,
0.3507

 82.3386, 0.2848,
0.3395

 74.3789, 0.2553,
0.3567


 86.0296, 0.2970,
0.3345


 72.6669, 0.2487,
0.3630

 90.2822, 0.3098,
0.3300

 71.3696, 0.2440,
0.3694

 93.3609, 0.3171,
0.3258

 70.4459, 0.2413,
0.3759

 93.6339, 0.3145,
0.3216

 69.8467, 0.2405,
0.3823

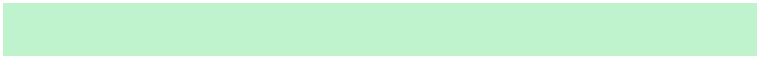
 93.7807, 0.3132,
0.3194

 69.5463, 0.2409,
0.3873

Harmonies

Analogous

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



79.1813, 0.3013, 0.3717



79.1813, 0.2736, 0.3449



79.1813, 0.2567, 0.3146

Triad

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



79.1813, 0.2736, 0.3449



79.1813, 0.2904, 0.2787



79.1813, 0.3749, 0.3637

Complementary

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



79.1813, 0.2736, 0.3449



50.0024, 0.3739, 0.3140

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.



79.1813, 0.3721, 0.3386



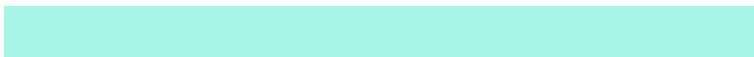
79.1813, 0.2736, 0.3449



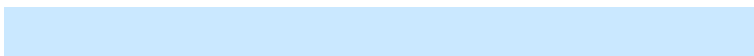
79.1813, 0.3220, 0.2912

Square

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



79.1813, 0.2736, 0.3449



79.1813, 0.2660, 0.2781



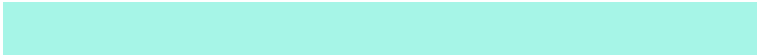
79.1813, 0.3524, 0.3126



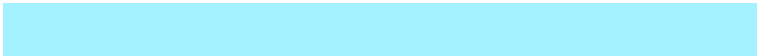
79.1813, 0.3602, 0.3814

Rectangle

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



79.1813, 0.2736, 0.3449



79.1813, 0.2532, 0.2974



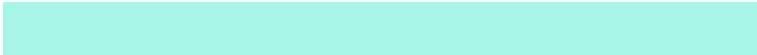
79.1813, 0.3524, 0.3126



79.1813, 0.3760, 0.3558

Sweetspot

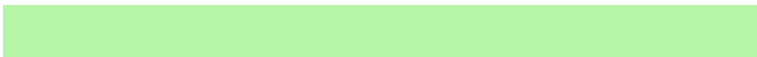
The Sweet Spot groups the original color and five complimentary colors.



79.1845, 0.2736, 0.3449



95.1929, 0.2997, 0.3335



77.8232, 0.3172, 0.4221



20.2414, 0.2980, 0.3341



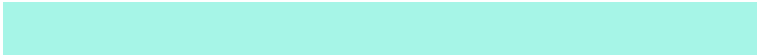
0.0000, 0.0000, 0.0000



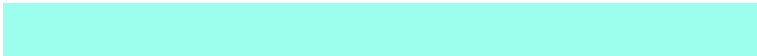
21.4041, 0.3127, 0.3290

Same Dimension

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



79.1845, 0.2736, 0.3449



84.6802, 0.2666, 0.3488



65.8908, 0.2631, 0.2998



18.7045, 0.3004, 0.3332



37.4871, 0.2406, 0.3862



3.3077, 0.2384, 0.3782

Inverse Universe

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



50.0024, 0.3739, 0.3140



47.9096, 0.3931, 0.3107



59.4524, 0.3786, 0.3562



16.5304, 0.3266, 0.3248



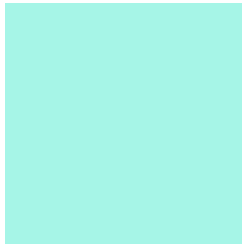
10.5675, 0.6134, 0.3153



0.9419, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 79.1813, 0.2736, 0.3449 looks on a white background.

Color Contrast Check

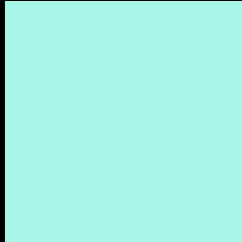
Large Text (above 18pt) WCAG AA × Fail

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 79.1813, 0.2736, 0.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

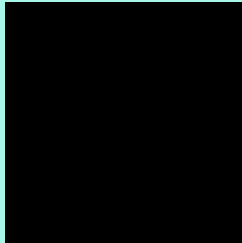
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.1813, 0.2736, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 79.1813, 0.2736, 0.3449.

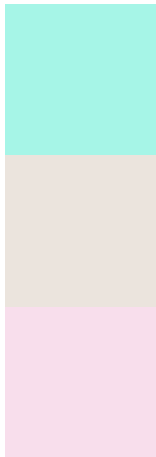


This preview shows how white text looks on a background with the Yxy color 79.1813, 0.2736, 0.3449.

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

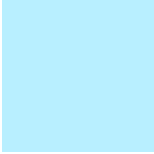
79.1813, 0.2736, 0.3449

Protanopia

78.3694, 0.3221, 0.3363

Deuteranopia

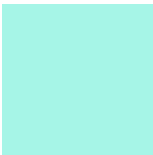
78.2551, 0.3219, 0.3149



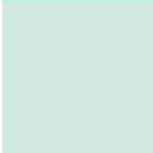
Tritanopia

79.1434, 0.2703, 0.3115

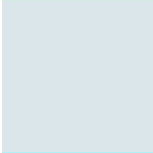
Trichromacy



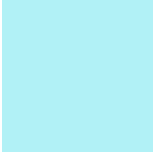
Original Color
79.1813, 0.2736, 0.3449



Protanomaly
77.9835, 0.3023, 0.3388

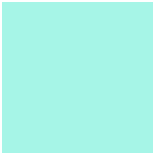


Deuteranomaly
77.4396, 0.3022, 0.3247

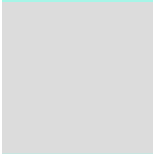


Tritanomaly
78.9115, 0.2713, 0.3233

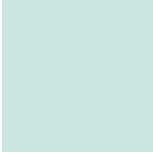
Monochromacy



Original Color
79.1813, 0.2736, 0.3449



Achromatopsia
71.5694, 0.3127, 0.3290



Achromatomaly
73.6998, 0.2964, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1813, 0.2736, 0.3449 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(166, 245, 231) looks like.

```
.text, #text, p{  
    color:rgb(166, 245, 231)  
}
```

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(166, 245, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 245, 231) }
```

Border

The CSS property to change the border of an element to Yxy 79.1813, 0.2736, 0.3449 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(166, 245, 231) }
```

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

```
.border{ border-color:rgb(166, 245, 231) }
```

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

Here you see how a box with a 4 pixel rgb(166, 245, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 245, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 245, 231);  
box-shadow:4px 4px 4px 4px rgb(166, 245,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1813, 0.2736, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 245, 231) }
```

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

```
.background{ background-color: rgb(166,  
245, 231) }
```

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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