

Converting Colors

$Yxy(79.8463, 0.2890, 0.3743)$

Have a look what the booklet for
Yxy(79.8463, 0.2890, 0.3743)
contains.

Yxy(79.8463, 0.2890, 0.3743)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.8463, 0.2890, 0.3743)

Conversions

Conversions Part 1

Format	Color
Hex	ACF7D0
RGB	172, 247, 208
RGB Percent	67%, 97%, 82%
CMY	0.3257, 0.0313, 0.1844
CMYK	0.30, 0.00, 0.16, 0.03
HSL	149°, 82%, 82%
HSV	149°, 30%, 97%
XYZ	61.6500, 79.8463, 71.8254
YIQ	220.1290, -32.1810, -28.0290

Conversions

Conversions Part 2

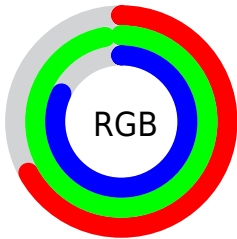
Format	Color
RYB	172, 223, 247
Decimal	11335632
CIELab	91.62, -31.05, 11.44
CIElCh	92, 33.089, 159.768
Yxy	79.8463, 0.2890, 0.3743
Android (android.graphics.Color)	4289525712 (0xFFACF7D0)
YUV	220.1290, -5.9796, -42.2091
Hunter-Lab	89.3568, -33.2217, 14.8921

Details

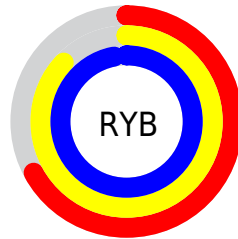
The Yxy color **79.8463, 0.2890, 0.3743** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.9678, 0.3460, 0.2879**, and the grayscale version is **71.7191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **42.9419, 0.2827, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **76.7037, 0.2824, 0.3923**, and if you desaturate by 10%, it is **83.5661, 0.2964, 0.3578**.

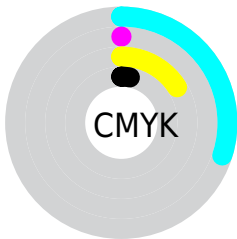
Distribution



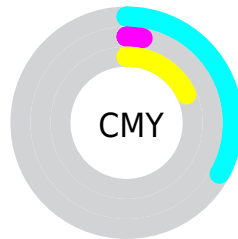
- Red (67%)
- Green (97%)
- Blue (82%)



- Red (67%)
- Yellow (87%)
- Blue (97%)



- Cyan (30%)
- Magenta (0%)
- Yellow (16%)
- Black (3%)





- Cyan (33%)
- Magenta (3%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8463, 0.2890, 0.3743 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 79.8463, 0.2890, 0.3743 by changing the saturation by 10% instead.


 79.8463, 0.2890,
0.3743

 79.8463, 0.2890,
0.3743


494.4147, 0.3001,
0.3530

 59.5919, 0.2864,
0.3793


 133.1496, 0.2929,
0.3668

 43.0898, 0.2832,
0.3854


166.9673, 0.2944,
0.3639

 29.9556, 0.2791,
0.3933


206.0749, 0.2957,
0.3615

 19.8049, 0.2737,
0.4038

250.8567, 0.2968,
0.3593

 12.2533, 0.2663,
0.4182

301.6972, 0.2978,
0.3574

 6.9164, 0.2554,
0.4395


358.9808, 0.2987,


 3.4099, 0.2380,


0.3558

0.4738


423.0918, 0.2994,
0.3543


 1.3493, 0.1924,
0.5590


 0.1789, 0.0000,
1.0000


 79.8463, 0.2890,
0.3743


 79.8463, 0.2890,
0.3743


 76.7037, 0.2824,
0.3923

 83.5661, 0.2964,
0.3578


 74.0983, 0.2769,
0.4116

 87.8810, 0.3043,
0.3428

 72.0005, 0.2728,
0.4318

 92.8202, 0.3124,
0.3295

 70.3738, 0.2705,
0.4525

 95.0106, 0.3131,
0.3214

■ 69.1762, 0.2702,
0.4730

■ 68.3581, 0.2719,
0.4927

■ 67.8521, 0.2751,
0.5105

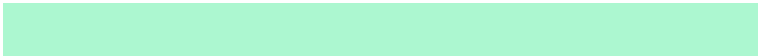
Harmonies

Analogous

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



79.8463, 0.3271, 0.3959



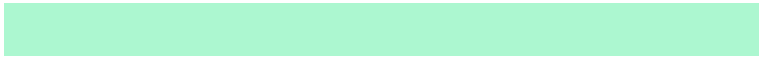
79.8463, 0.2890, 0.3743



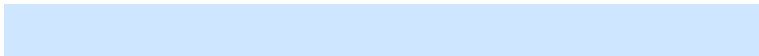
79.8463, 0.2585, 0.3385

Triad

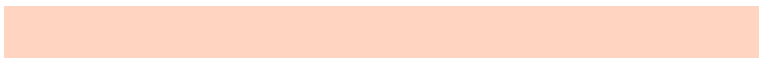
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8463, 0.2890, 0.3743



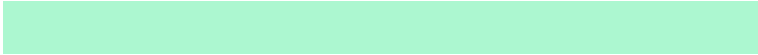
79.8463, 0.2624, 0.2663



79.8463, 0.3883, 0.3481

Complementary

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



79.8463, 0.2890, 0.3743



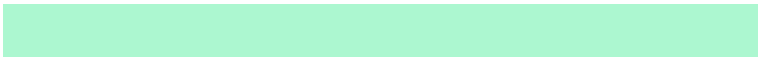
53.9678, 0.3460, 0.2879

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.



79.8463, 0.3690, 0.3166



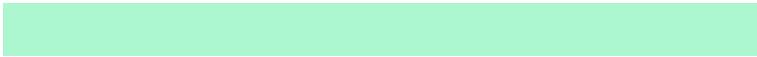
79.8463, 0.2890, 0.3743



79.8463, 0.2947, 0.2712

Square

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



79.8463, 0.2890, 0.3743



79.8463, 0.2440, 0.2767



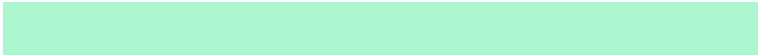
79.8463, 0.3339, 0.2892



79.8463, 0.3857, 0.3772

Rectangle

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



79.8463, 0.2890, 0.3743



79.8463, 0.2460, 0.3136



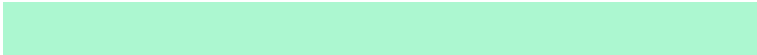
79.8463, 0.3339, 0.2892



79.8463, 0.3842, 0.3375

Sweetspot

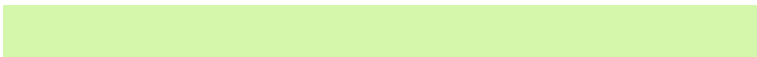
The Sweet Spot groups the original color and five complimentary colors.



79.8496, 0.2890, 0.3743



95.1592, 0.3054, 0.3409



83.5027, 0.3344, 0.4115



20.2116, 0.3042, 0.3430



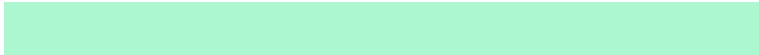
0.0000, 0.0000, 0.0000



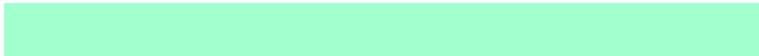
21.4041, 0.3127, 0.3290

Same Dimension

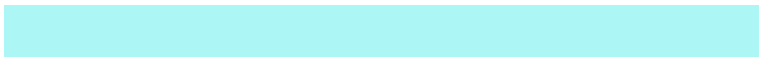
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8496, 0.2890, 0.3743



83.8455, 0.2851, 0.3843



81.8592, 0.2701, 0.3317



18.6045, 0.3050, 0.3416



35.9082, 0.2743, 0.5075



3.1766, 0.2678, 0.4840

Inverse Universe

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



53.9678, 0.3460, 0.2879



52.2254, 0.3545, 0.2800



52.3392, 0.3792, 0.3265



16.6265, 0.3212, 0.3168



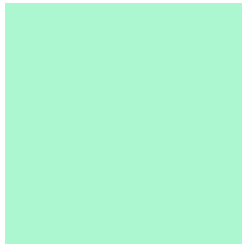
11.3172, 0.4876, 0.2460



1.0155, 0.4609, 0.2313

Previews

White Background



This preview shows how the Yxy color 79.8463, 0.2890, 0.3743 looks on a white background.

Color Contrast Check

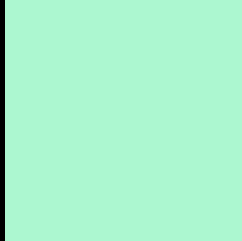
Large Text (above 18pt) WCAG AA × Fail

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 79.8463, 0.2890, 0.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

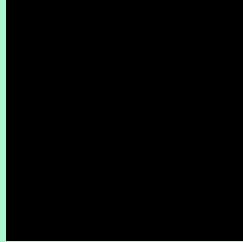
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8463, 0.2890, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 79.8463, 0.2890, 0.3743.

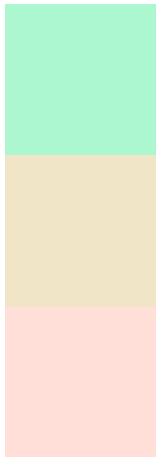


This preview shows how white text looks on a background with the Yxy color 79.8463, 0.2890, 0.3743.

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

79.8463, 0.2890, 0.3743

Protanopia

78.8629, 0.3410, 0.3605

Deuteranopia

78.9416, 0.3412, 0.3371



Tritanopia

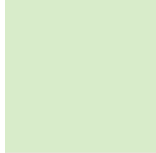
79.3162, 0.2735, 0.3105

Trichromacy



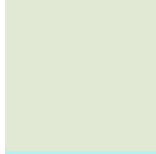
Original Color

79.8463, 0.2890, 0.3743



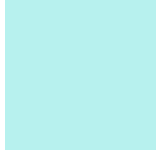
Protanomaly

78.8541, 0.3204, 0.3663



Deuteranomaly

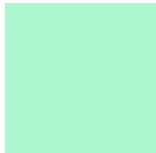
78.4742, 0.3206, 0.3505



Tritanomaly

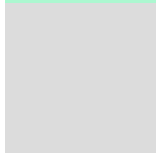
79.1509, 0.2788, 0.3322

Monochromacy



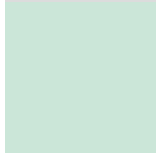
Original Color

79.8463, 0.2890, 0.3743



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.2480, 0.3032, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8463, 0.2890, 0.3743 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(172, 247, 208)` looks like.

```
.text, #text, p{  
    color:rgb(172, 247, 208)  
}
```

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(172, 247, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 247, 208) }
```

Border

The CSS property to change the border of an element to Yxy 79.8463, 0.2890, 0.3743 is called "border". The border property can be set on classes, ids or directly on the HTML element.

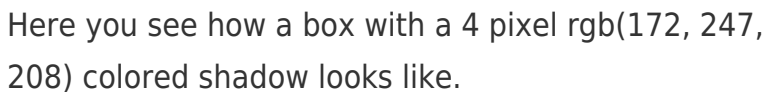
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 247, 208) }
```

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

```
.border{ border-color:rgb(172, 247, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 247, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 247, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 247, 208);  
box-shadow:4px 4px 4px 4px rgb(172, 247,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8463, 0.2890, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 247, 208) }
```

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

```
.background{ background-color: rgb(172,  
247, 208) }
```

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