

Converting Colors

$Yxy(78.8789, 0.2903, 0.3664)$

Have a look what the booklet for
Yxy(78.8789, 0.2903, 0.3664)
contains.

Yxy(78.9198, 0.2901, 0.3658)	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(78.9198, 0.2901, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	B2F4D4
RGB	178, 244, 212
RGB Percent	70%, 96%, 83%
CMY	0.3022, 0.0431, 0.1685
CMYK	0.27, 0.00, 0.13, 0.04
HSL	151°, 75%, 83%
HSV	151°, 27%, 96%
XYZ	62.5878, 78.9198, 74.2381
YIQ	220.6180, -29.0640, -23.9440

Conversions

Conversions Part 2

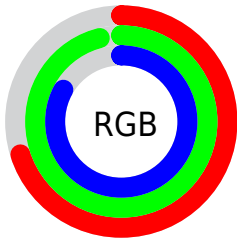
Format	Color
RYB	178, 222, 244
Decimal	11728084
CIELab	91.20, -27.06, 8.79
CIELCh	91, 28.456, 161.997
Yxy	78.9198, 0.2901, 0.3658
Android (android.graphics.Color)	4289918164 (0xFFB2F4D4)
YUV	220.6180, -4.2487, -37.3760
Hunter-Lab	88.8368, -29.7065, 12.6390

Details

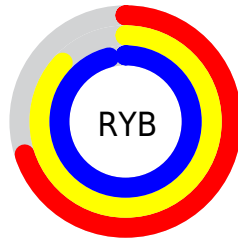
The Yxy color **78.9198, 0.2901, 0.3658** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.7057, 0.3434, 0.2950**, and the grayscale version is **72.0660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **42.6858, 0.2853, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **75.7151, 0.2828, 0.3820**, and if you desaturate by 10%, it is **82.6880, 0.2981, 0.3510**.

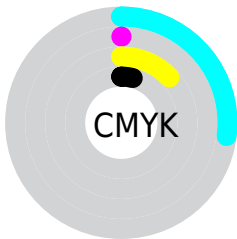
Distribution



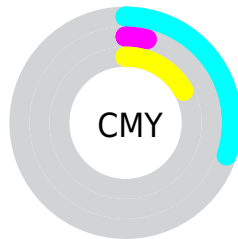
- Red (70%)
- Green (96%)
- Blue (83%)



- Red (70%)
- Yellow (87%)
- Blue (96%)



- Cyan (27%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)





- Cyan (30%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9198, 0.2901, 0.3658 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 78.9198, 0.2901, 0.3658 by changing the saturation by 10% instead.

 78.9198, 0.2901,
0.3658

 78.9198, 0.2901,
0.3658

491.2850, 0.3006,
0.3485

 58.8299, 0.2877,
0.3698


 131.8459, 0.2938,
0.3598

 42.4762, 0.2847,
0.3748


165.4510, 0.2952,
0.3574

 29.4743, 0.2809,
0.3811


204.3298, 0.2964,
0.3554

 19.4399, 0.2758,
0.3895

248.8668, 0.2975,
0.3537

 11.9886, 0.2690,
0.4011

299.4465, 0.2984,
0.3522

 6.7359, 0.2589,
0.4181


356.4531, 0.2992,


 3.2975, 0.2431,


0.3508


0.4454


420.2712, 0.3000,
0.3496


 1.2890, 0.2037,
0.5072


 0.1326, 0.0000,
1.0000


 78.9198, 0.2901,
0.3658


 78.9198, 0.2901,
0.3658


 75.7151, 0.2828,
0.3820


 82.6880, 0.2981,
0.3510


 73.0359, 0.2765,
0.3995


 87.0359, 0.3066,
0.3376


 70.8549, 0.2716,
0.4180


 91.9914, 0.3153,
0.3257


 69.1380, 0.2684,
0.4370

 93.1893, 0.3132,
0.3185

 67.8468, 0.2672,
0.4563

 66.9364, 0.2680,
0.4751

 66.3491, 0.2707,
0.4931

 66.2123, 0.2717,
0.4982

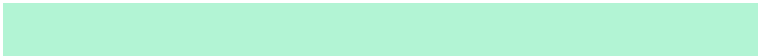
Harmonies

Analogous

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



78.9198, 0.3230, 0.3855



78.9198, 0.2901, 0.3658



78.9198, 0.2642, 0.3349

Triad

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



78.9198, 0.2901, 0.3658



78.9198, 0.2708, 0.2743



78.9198, 0.3784, 0.3481

Complementary

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



78.9198, 0.2901, 0.3658



55.7057, 0.3434, 0.2950

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.



78.9198, 0.3630, 0.3205



78.9198, 0.2901, 0.3658



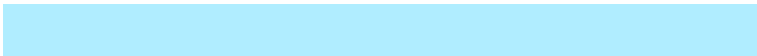
78.9198, 0.2997, 0.2793

Square

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



78.9198, 0.2901, 0.3658



78.9198, 0.2536, 0.2827



78.9198, 0.3336, 0.2959



78.9198, 0.3749, 0.3727

Rectangle

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



78.9198, 0.2901, 0.3658



78.9198, 0.2539, 0.3138



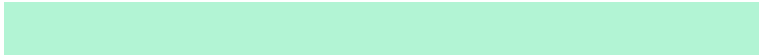
78.9198, 0.3336, 0.2959



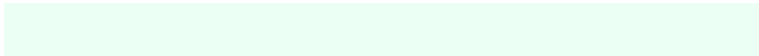
78.9198, 0.3753, 0.3389

Sweetspot

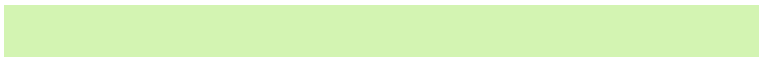
The Sweet Spot groups the original color and five complimentary colors.



78.9231, 0.2901, 0.3658



95.7142, 0.3058, 0.3388



81.7677, 0.3307, 0.4021



20.3246, 0.3045, 0.3407



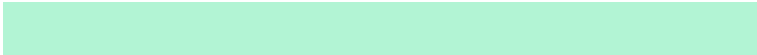
0.0000, 0.0000, 0.0000



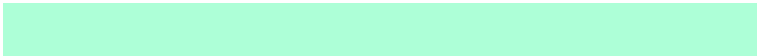
21.4041, 0.3127, 0.3290

Same Dimension

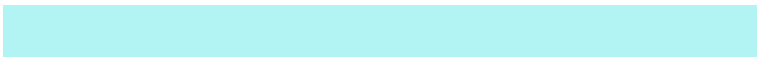
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9231, 0.2901, 0.3658



85.3815, 0.2863, 0.3737



80.7007, 0.2732, 0.3289



18.6148, 0.3045, 0.3407



36.0260, 0.2710, 0.4954



3.1871, 0.2647, 0.4731

Inverse Universe

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



55.7057, 0.3434, 0.2950



56.1002, 0.3510, 0.2885



54.2681, 0.3715, 0.3292



16.6162, 0.3217, 0.3176



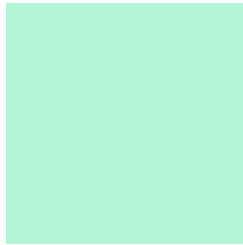
11.1983, 0.5028, 0.2543



1.0049, 0.4739, 0.2384

Previews

White Background



This preview shows how the Yxy color 78.9198, 0.2901, 0.3658 looks on a white background.

Color Contrast Check

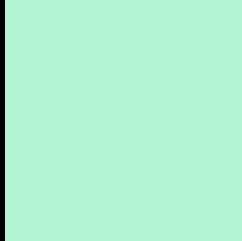
Large Text (above 18pt) WCAG AA × Fail

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 78.9198, 0.2901, 0.3658 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

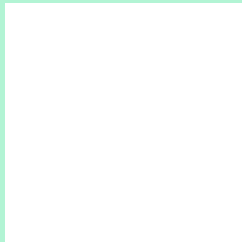
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9198, 0.2901, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 78.9198, 0.2901, 0.3658.

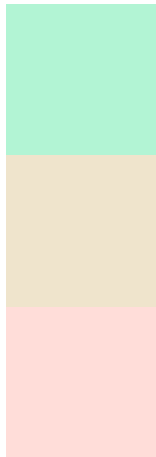


This preview shows how white text looks on a background with the Yxy color 78.9198, 0.2901, 0.3658.

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

78.9198, 0.2901, 0.3658

Protanopia

78.1972, 0.3363, 0.3542

Deuteranopia

77.9827, 0.3401, 0.3331



Tritanopia

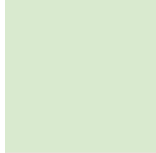
78.7355, 0.2734, 0.3094

Trichromacy



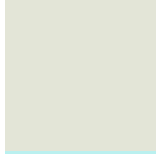
Original Color

78.9198, 0.2901, 0.3658



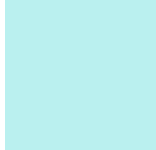
Protanomaly

78.1023, 0.3181, 0.3585



Deuteranomaly

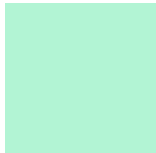
77.2758, 0.3203, 0.3440



Tritanomaly

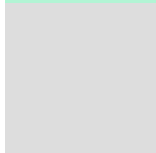
78.9913, 0.2799, 0.3300

Monochromacy



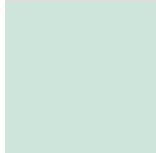
Original Color

78.9198, 0.2901, 0.3658



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.0797, 0.3033, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9198, 0.2901, 0.3658 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(178, 244, 212)` looks like.

```
.text, #text, p{  
    color:rgb(178, 244, 212)  
}
```

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(178, 244, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 244, 212) }
```

Border

The CSS property to change the border of an element to Yxy 78.9198, 0.2901, 0.3658 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(178, 244, 212) }
```

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

```
.border{ border-color:rgb(178, 244, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 244, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 244, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 244, 212);  
box-shadow:4px 4px 4px 4px rgb(178, 244,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9198, 0.2901, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 244, 212) }
```

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

```
.background{ background-color: rgb(178,  
244, 212) }
```

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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