

Converting Colors

$Yxy(78.6461, 0.2835, 0.3638)$

Have a look what the booklet for
Yxy(78.6461, 0.2835, 0.3638)
contains.

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Color

Yxy(78.6461, 0.2835, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	A9F5D7
RGB	169, 245, 215
RGB Percent	66%, 96%, 84%
CMY	0.3371, 0.0392, 0.1568
CMYK	0.31, 0.00, 0.12, 0.04
HSL	156°, 79%, 81%
HSV	156°, 31%, 96%
XYZ	61.2869, 78.6461, 76.2465
YIQ	218.8560, -35.6660, -25.4420

Conversions

Conversions Part 2

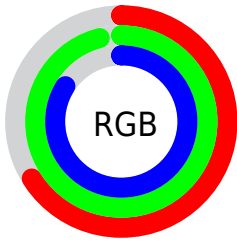
Format	Color
RYB	169, 216, 245
Decimal	11138519
CIELab	91.07, -29.56, 7.01
CIELCh	91, 30.382, 166.665
Yxy	78.6461, 0.2835, 0.3638
Android (android.graphics.Color)	4289328599 (0xFFA9F5D7)
YUV	218.8560, -1.9010, -43.7237
Hunter-Lab	88.6826, -31.8367, 11.1022

Details

The Yxy color **78.6461, 0.2835, 0.3638** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.9265, 0.3555, 0.2969**, and the grayscale version is **70.7727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **42.0819, 0.2765, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **75.7053, 0.2756, 0.3772**, and if you desaturate by 10%, it is **82.1304, 0.2924, 0.3514**.

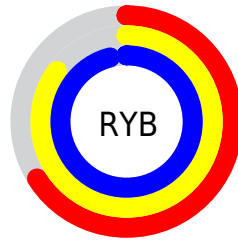
Distribution



Red (66%)

Green (96%)

Blue (84%)



Red (66%)

Yellow (85%)

Blue (96%)

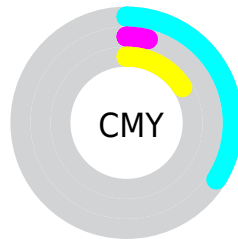


Cyan (31%)

Magenta (0%)

Yellow (12%)

Black (4%)



Cyan (34%)


Magenta (4%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6461, 0.2835, 0.3638 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 78.6461, 0.2835, 0.3638 by changing the saturation by 10% instead.


 78.6461, 0.2835,
0.3638

 78.6461, 0.2835,
0.3638


490.3583, 0.2970,
0.3475

 58.6049, 0.2804,
0.3676


 131.4605, 0.2882,
0.3581

 42.2951, 0.2766,
0.3722


165.0025, 0.2900,
0.3559

 29.3325, 0.2718,
0.3782


203.8136, 0.2916,
0.3540

 19.3325, 0.2655,
0.3860

248.2780, 0.2929,
0.3524

 11.9108, 0.2569,
0.3969

298.7804, 0.2941,
0.3509

 6.6829, 0.2446,
0.4127


355.7049, 0.2952,


 3.2646, 0.2254,


0.3497


0.4380


419.4361, 0.2962,
0.3485


 1.2714, 0.1733,
0.4967


 0.1189, 0.0000,
1.0000


 78.6461, 0.2835,
0.3638


 78.6461, 0.2835,
0.3638


 75.7053, 0.2756,
0.3772


 82.1304, 0.2924,
0.3514


 73.2695, 0.2690,
0.3916

 86.1753, 0.3019,
0.3401

 71.3101, 0.2639,
0.4066

 90.8089, 0.3117,
0.3300

 69.7918, 0.2608,
0.4221

 93.6997, 0.3139,
0.3207

■ 68.6739, 0.2597,
0.4376

■ 93.7833, 0.3132,
0.3194

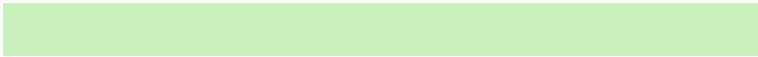
■ 67.9080, 0.2606,
0.4530

■ 67.4504, 0.2629,
0.4664

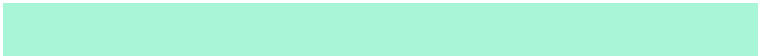
Harmonies

Analogous

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



78.6461, 0.3179, 0.3875



78.6461, 0.2835, 0.3638



78.6461, 0.2578, 0.3298

Triad

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



78.6461, 0.2835, 0.3638



78.6461, 0.2721, 0.2707



78.6461, 0.3837, 0.3536

Complementary

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



78.6461, 0.2835, 0.3638



51.9265, 0.3555, 0.2969

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.



78.6461, 0.3703, 0.3243



78.6461, 0.2835, 0.3638



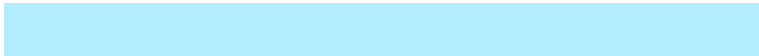
78.6461, 0.3042, 0.2782

Square

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



78.6461, 0.2835, 0.3638



78.6461, 0.2516, 0.2772



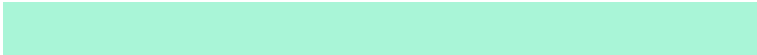
78.6461, 0.3405, 0.2974



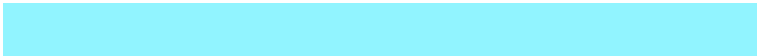
78.6461, 0.3768, 0.3789

Rectangle

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



78.6461, 0.2835, 0.3638



78.6461, 0.2485, 0.3077



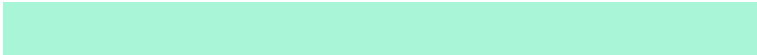
78.6461, 0.3405, 0.2974



78.6461, 0.3815, 0.3439

Sweetspot

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



78.6493, 0.2835, 0.3638



95.3343, 0.3038, 0.3380



80.3691, 0.3279, 0.4152



20.2548, 0.3024, 0.3396



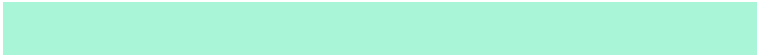
0.0000, 0.0000, 0.0000



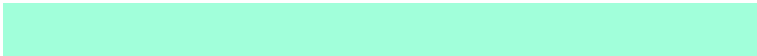
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6493, 0.2835, 0.3638



84.1099, 0.2786, 0.3718



75.8327, 0.2671, 0.3203



18.6405, 0.3033, 0.3385



36.3658, 0.2622, 0.4640



3.2164, 0.2570, 0.4452

Inverse Universe

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



51.9265, 0.3555, 0.2969



50.7000, 0.3672, 0.2904



53.5777, 0.3809, 0.3375



16.5909, 0.3231, 0.3197



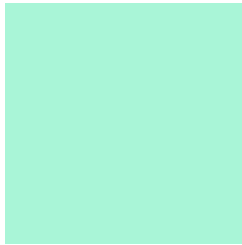
10.9454, 0.5401, 0.2749



0.9816, 0.5067, 0.2565

Previews

White Background



This preview shows how the Yxy color 78.6461, 0.2835, 0.3638 looks on a white background.

Color Contrast Check

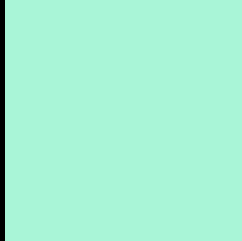
Large Text (above 18pt) WCAG AA × Fail

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 78.6461, 0.2835, 0.3638 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

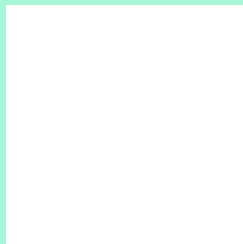
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6461, 0.2835, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 78.6461, 0.2835, 0.3638.

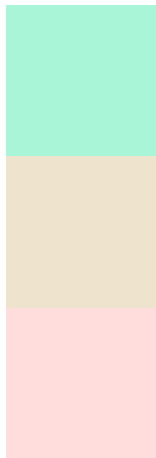


This preview shows how white text looks on a background with the Yxy color 78.6461, 0.2835, 0.3638.

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

78.6461, 0.2835, 0.3638

Protanopia

78.1202, 0.3342, 0.3522

Deuteranopia

77.9510, 0.3373, 0.3301



Tritanopia

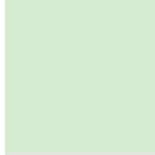
78.5594, 0.2702, 0.3104

Trichromacy



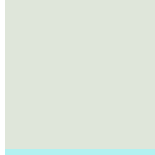
Original Color

78.6461, 0.2835, 0.3638



Protanomaly

77.5952, 0.3141, 0.3565



Deuteranomaly

77.3436, 0.3155, 0.3419



Tritanomaly

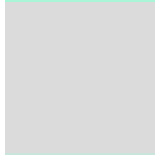
78.7856, 0.2755, 0.3300

Monochromacy



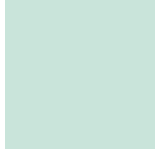
Original Color

78.6461, 0.2835, 0.3638



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

72.9663, 0.3007, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6461, 0.2835, 0.3638 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(169, 245, 215)` looks like.

```
.text, #text, p{  
    color:rgb(169, 245, 215)  
}
```

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(169, 245, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 245, 215) }
```

Border

The CSS property to change the border of an element to Yxy 78.6461, 0.2835, 0.3638 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(169, 245, 215) }
```

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

```
.border{ border-color:rgb(169, 245, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 245, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 245, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 245, 215);  
box-shadow:4px 4px 4px 4px rgb(169, 245,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6461, 0.2835, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 245, 215) }
```

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

```
.background{ background-color: rgb(169,  
245, 215) }
```

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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