

Converting Colors

$Yxy(67.8273, 0.2861, 0.3615)$

Have a look what the booklet for
Yxy(67.8273, 0.2861, 0.3615)
contains.

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Color

Yxy(67.5376, 0.2859, 0.3609)

Conversions

Conversions Part 1

Format	Color
Hex	A3E4CA
RGB	163, 228, 202
RGB Percent	64%, 89%, 79%
CMY	0.3609, 0.1058, 0.2078
CMYK	0.29, 0.00, 0.11, 0.11
HSL	156°, 55%, 77%
HSV	156°, 29%, 89%
XYZ	53.5024, 67.5376, 66.0966
YIQ	205.6010, -30.3940, -21.8660

Conversions

Conversions Part 2

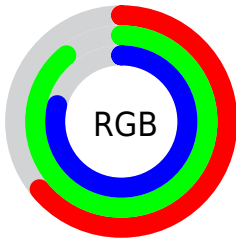
Format	Color
RYB	163, 204, 228
Decimal	10740938
CIELab	85.77, -25.84, 6.13
CIElCh	86, 26.561, 166.657
Yxy	67.5376, 0.2859, 0.3609
Android (android.graphics.Color)	4288931018 (0xFFA3E4CA)
YUV	205.6010, -1.7753, -37.3611
Hunter-Lab	82.1813, -27.6086, 9.8412

Details

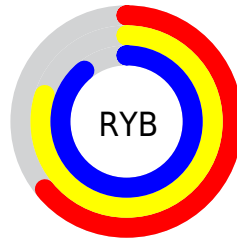
The Yxy color **67.5376, 0.2859, 0.3609** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **46.3486, 0.3505, 0.2994**, and the grayscale version is **61.4758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **34.8944, 0.2789, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **64.9282, 0.2778, 0.3742**, and if you desaturate by 10%, it is **70.6119, 0.2949, 0.3487**.

Distribution



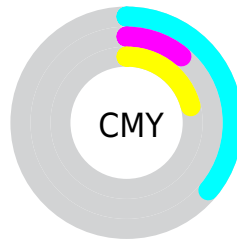
- Red (64%)
- Green (89%)
- Blue (79%)



- Red (64%)
- Yellow (80%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (36%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5376, 0.2859, 0.3609 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 67.5376, 0.2859, 0.3609 by changing the saturation by 10% instead.


 67.5376, 0.2859,
0.3609


 67.5376, 0.2859,
0.3609


451.8560, 0.2986,
0.3456

 49.5216, 0.2829,
0.3645


 115.6904, 0.2904,
0.3555

 35.0335, 0.2792,
0.3691


 146.5960, 0.2921,
0.3534

 23.6887, 0.2744,
0.3750


182.5670, 0.2936,
0.3516

 15.1028, 0.2680,
0.3830

223.9877, 0.2949,
0.3501

 8.8916, 0.2590,
0.3942

271.2426, 0.2960,
0.3488

 4.6705, 0.2456,
0.4114

324.7160, 0.2970,

 2.0553, 0.2236,

0.3476

384.7923, 0.2978,
0.3465

0.4405

0.6393, 0.0000,
0.7050

0.0000, 0.0000,
0.0000

67.5376, 0.2859,
0.3609

67.5376, 0.2859,
0.3609

64.9282, 0.2778,
0.3742

70.6119, 0.2949,
0.3487

62.7516, 0.2709,
0.3885


74.1649, 0.3044,
0.3376


60.9846, 0.2655,
0.4035


78.2197, 0.3142,
0.3276

59.5984, 0.2618,
0.4190

82.7959, 0.3241,
0.3187

 58.5603, 0.2602,
0.4347

 83.5049, 0.3187,
0.3099

 57.8317, 0.2606,
0.4503

 83.9735, 0.3139,
0.3029

 57.3560, 0.2628,
0.4654

 57.2957, 0.2632,
0.4676

Harmonies

Analogous

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



67.5376, 0.3177, 0.3826



67.5376, 0.2859, 0.3609



67.5376, 0.2621, 0.3299

Triad

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



67.5376, 0.2859, 0.3609



67.5376, 0.2753, 0.2751



67.5376, 0.3780, 0.3519

Complementary

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



67.5376, 0.2859, 0.3609



46.3486, 0.3505, 0.2994

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.



67.5376, 0.3656, 0.3248



67.5376, 0.2859, 0.3609



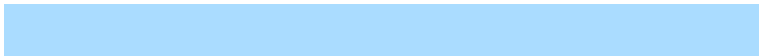
67.5376, 0.3050, 0.2820

Square

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



67.5376, 0.2859, 0.3609



67.5376, 0.2563, 0.2813



67.5376, 0.3383, 0.2998



67.5376, 0.3717, 0.3751

Rectangle

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



67.5376, 0.2859, 0.3609



67.5376, 0.2534, 0.3096



67.5376, 0.3383, 0.2998



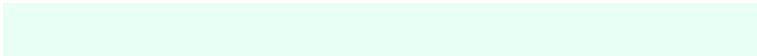
67.5376, 0.3759, 0.3430

Sweetspot

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



67.5404, 0.2859, 0.3609



95.3273, 0.3039, 0.3381



68.9527, 0.3268, 0.4073



20.2530, 0.3024, 0.3397



0.0000, 0.0000, 0.0000



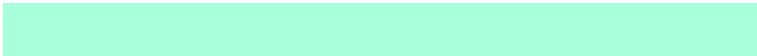
21.4041, 0.3127, 0.3290

Same Dimension

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



67.5404, 0.2859, 0.3609



85.0632, 0.2812, 0.3683



65.3654, 0.2706, 0.3211



16.2337, 0.3035, 0.3386



33.1047, 0.2626, 0.4653



2.4646, 0.2564, 0.4432

Inverse Universe

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



46.3486, 0.3505, 0.2994



53.6860, 0.3608, 0.2932



47.6880, 0.3734, 0.3367



14.4630, 0.3230, 0.3196



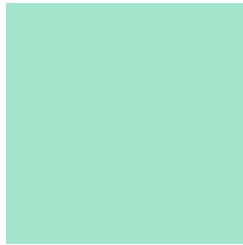
9.9838, 0.5373, 0.2734



0.7557, 0.4987, 0.2521

Previews

White Background



This preview shows how the Yxy color 67.5376, 0.2859, 0.3609 looks on a white background.

Color Contrast Check

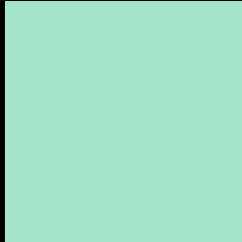
Large Text (above 18pt) WCAG AA × Fail

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 67.5376, 0.2859, 0.3609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

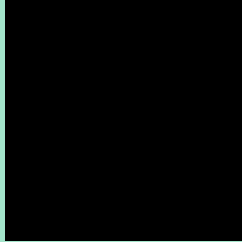
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

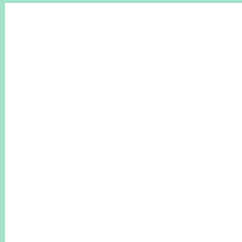
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5376, 0.2859, 0.3609

Background



This preview shows how black text looks on a background with the Yxy color 67.5376, 0.2859, 0.3609.

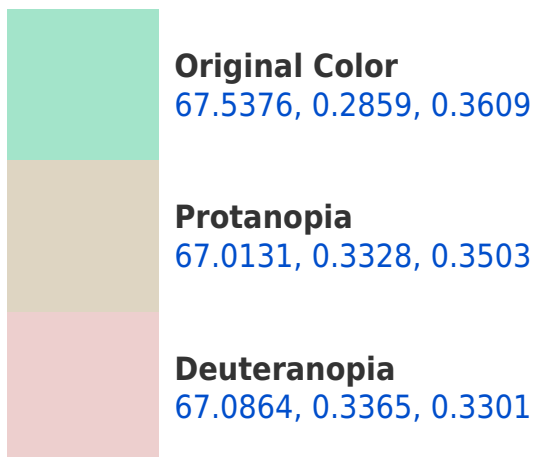


This preview shows how white text looks on a background with the Yxy color 67.5376, 0.2859, 0.3609.

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

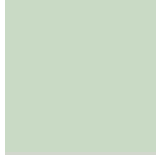
67.1917, 0.2688, 0.3080

Trichromacy



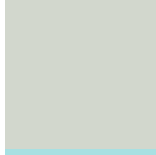
Original Color

67.5376, 0.2859, 0.3609



Protanomaly

66.5915, 0.3144, 0.3535



Deuteranomaly

66.7103, 0.3158, 0.3404



Tritanomaly

67.1271, 0.2750, 0.3265

Monochromacy



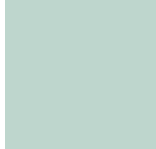
Original Color

67.5376, 0.2859, 0.3609



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.4481, 0.3014, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5376, 0.2859, 0.3609 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(163, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(163, 228, 202)  
}
```

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(163, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 228, 202) }
```

Border

The CSS property to change the border of an element to Yxy 67.5376, 0.2859, 0.3609 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(163, 228, 202) }
```

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

```
.border{ border-color:rgb(163, 228, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 228, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(163, 228,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5376, 0.2859, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 228, 202) }
```

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

```
.background{ background-color: rgb(163,  
228, 202) }
```

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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