

Converting Colors

$Yxy(68.6612, 0.2857, 0.3607)$

Have a look what the booklet for
Yxy(68.6612, 0.2857, 0.3607)
contains.

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Color

Yxy(68.8458, 0.2855, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	A4E6CC
RGB	164, 230, 204
RGB Percent	64%, 90%, 80%
CMY	0.3569, 0.0980, 0.1998
CMYK	0.29, 0.00, 0.11, 0.10
HSL	156°, 57%, 77%
HSV	156°, 29%, 90%
XYZ	54.5077, 68.8458, 67.5666
YIQ	207.3020, -30.9900, -22.0780

Conversions

Conversions Part 2

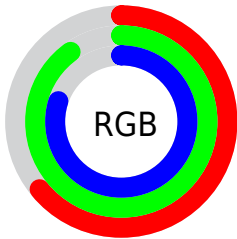
Format	Color
RYB	164, 205, 230
Decimal	10806988
CIELab	86.43, -26.09, 6.01
CIElCh	86, 26.772, 167.029
Yxy	68.8458, 0.2855, 0.3606
Android (android.graphics.Color)	4288997068 (0xFFA4E6CC)
YUV	207.3020, -1.6279, -37.9759
Hunter-Lab	82.9734, -27.9414, 9.8005

Details

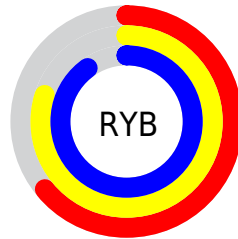
The Yxy color **68.8458, 0.2855, 0.3606** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **47.0869, 0.3512, 0.2996**, and the grayscale version is **62.6291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **35.7891, 0.2785, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **66.1973, 0.2774, 0.3737**, and if you desaturate by 10%, it is **71.9677, 0.2945, 0.3486**.

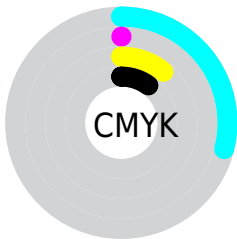
Distribution



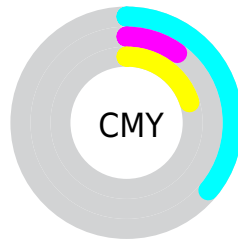
- Red (64%)
- Green (90%)
- Blue (80%)



- Red (64%)
- Yellow (80%)
- Blue (90%)



- Cyan (29%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)





- Cyan (36%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8458, 0.2855, 0.3606 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 68.8458, 0.2855, 0.3606 by changing the saturation by 10% instead.

 68.8458, 0.2855,
0.3606


 68.8458, 0.2855,
0.3606


456.4869, 0.2984,
0.3455

 50.5861, 0.2825,
0.3642

 117.5613, 0.2900,
0.3553

 35.8793, 0.2787,
0.3687


 148.7859, 0.2918,
0.3532

 24.3410, 0.2739,
0.3744


185.1010, 0.2933,
0.3515

 15.5868, 0.2675,
0.3822

226.8909, 0.2946,
0.3500

 9.2322, 0.2586,
0.3931

274.5401, 0.2957,
0.3486

 4.8930, 0.2454,
0.4097


328.4329, 0.2967,

 2.1846, 0.2238,


0.3475


0.4375


388.9537, 0.2976,
0.3464

 0.7116, 0.0357,
0.6436


 0.0000, 0.0000,
0.0000


 68.8458, 0.2855,
0.3606


 68.8458, 0.2855,
0.3606


 66.1973, 0.2774,
0.3737

 71.9677, 0.2945,
0.3486


 63.9893, 0.2704,
0.3877

 75.5770, 0.3041,
0.3376


 62.1983, 0.2649,
0.4025

 79.6974, 0.3140,
0.3278

 60.7946, 0.2613,
0.4178


 84.1602, 0.3233,
0.3190


 59.7448, 0.2596,
0.4332

 84.7120, 0.3175,
0.3103

 59.0094, 0.2600,
0.4485

 85.0755, 0.3138,
0.3048

 58.5295, 0.2623,
0.4634

 58.4755, 0.2626,
0.4654

Harmonies

Analogous

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



68.8458, 0.3173, 0.3825



68.8458, 0.2855, 0.3606



68.8458, 0.2618, 0.3295

Triad

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



68.8458, 0.2855, 0.3606



68.8458, 0.2756, 0.2750



68.8458, 0.3781, 0.3523

Complementary

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



68.8458, 0.2855, 0.3606



47.0869, 0.3512, 0.2996

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.



68.8458, 0.3660, 0.3251



68.8458, 0.2855, 0.3606



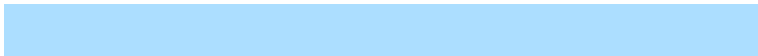
68.8458, 0.3054, 0.2821

Square

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



68.8458, 0.2855, 0.3606



68.8458, 0.2563, 0.2810



68.8458, 0.3388, 0.3000



68.8458, 0.3716, 0.3754

Rectangle

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



68.8458, 0.2855, 0.3606



68.8458, 0.2532, 0.3092



68.8458, 0.3388, 0.3000



68.8458, 0.3761, 0.3434

Sweetspot

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



68.8486, 0.2855, 0.3606



95.3364, 0.3038, 0.3380



70.2737, 0.3269, 0.4078



20.2553, 0.3023, 0.3395



0.0000, 0.0000, 0.0000



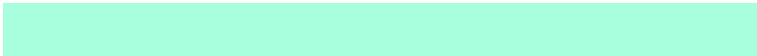
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8486, 0.2855, 0.3606



85.0929, 0.2809, 0.3677



66.5954, 0.2704, 0.3210



16.2353, 0.3034, 0.3384



33.1291, 0.2620, 0.4630



2.4663, 0.2559, 0.4412

Inverse Universe

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



47.0869, 0.3512, 0.2996



53.6594, 0.3613, 0.2938



48.4755, 0.3739, 0.3368



14.4614, 0.3231, 0.3198



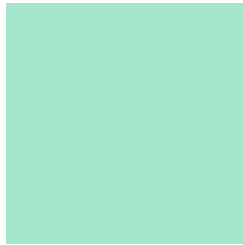
9.9690, 0.5399, 0.2748



0.7545, 0.5010, 0.2534

Previews

White Background



This preview shows how the Yxy color 68.8458, 0.2855, 0.3606 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 68.8458, 0.2855, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

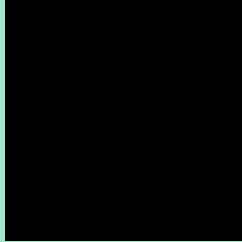
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

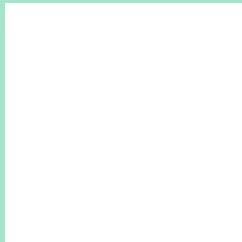
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8458, 0.2855, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 68.8458, 0.2855, 0.3606.



This preview shows how white text looks on a background with the Yxy color 68.8458, 0.2855, 0.3606.

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

68.8458, 0.2855, 0.3606

Protanopia

68.4337, 0.3326, 0.3501

Deuteranopia

68.0659, 0.3357, 0.3280



Tritanopia

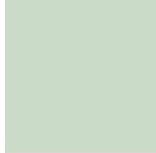
68.4928, 0.2686, 0.3082

Trichromacy



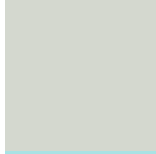
Original Color

68.8458, 0.2855, 0.3606



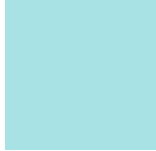
Protanomaly

67.8665, 0.3137, 0.3533



Deuteranomaly

67.6138, 0.3159, 0.3392



Tritanomaly

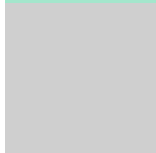
68.4292, 0.2747, 0.3265

Monochromacy



Original Color

68.8458, 0.2855, 0.3606



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.1335, 0.3015, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8458, 0.2855, 0.3606 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(164, 230, 204)` looks like.

```
.text, #text, p{  
    color:rgb(164, 230, 204)  
}
```

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(164, 230, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 230, 204) }
```

Border

The CSS property to change the border of an element to Yxy 68.8458, 0.2855, 0.3606 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(164, 230, 204) }
```

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

```
.border{ border-color:rgb(164, 230, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 230, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 230, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 230, 204);  
box-shadow:4px 4px 4px 4px rgb(164, 230,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8458, 0.2855, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 230, 204) }
```

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

```
.background{ background-color: rgb(164,  
230, 204) }
```

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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