

Converting Colors

$Yxy(68.7989, 0.2791, 0.3390)$

Have a look what the booklet for
Yxy(68.7989, 0.2791, 0.3390)
contains.

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Color

Yxy(68.9261, 0.2793, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	A8E4DB
RGB	168, 228, 219
RGB Percent	66%, 89%, 86%
CMY	0.3410, 0.1059, 0.1411
CMYK	0.26, 0.00, 0.04, 0.11
HSL	171°, 53%, 78%
HSV	171°, 26%, 89%
XYZ	56.6875, 68.9261, 77.3490
YIQ	209.0340, -32.8710, -15.5190

Conversions

Conversions Part 2

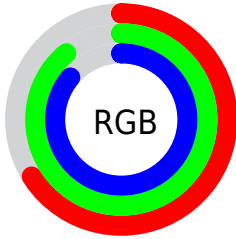
Format	Color
RYB	168, 200, 228
Decimal	11068635
CIELab	86.47, -20.80, -1.79
CIElCh	86, 20.872, 184.911
Yxy	68.9261, 0.2793, 0.3396
Android (android.graphics.Color)	4289258715 (0xFFA8E4DB)
YUV	209.0340, 4.9132, -35.9868
Hunter-Lab	83.0217, -23.4078, 2.8764

Details

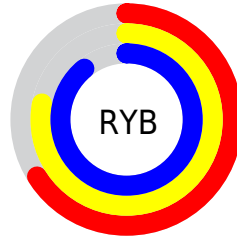
The Yxy color **68.9261, 0.2793, 0.3396** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.6908, 0.3606, 0.3188**, and the grayscale version is **63.7754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **35.7628, 0.2712, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **66.4633, 0.2683, 0.3442**, and if you desaturate by 10%, it is **71.8370, 0.2914, 0.3353**.

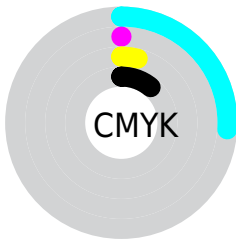
Distribution



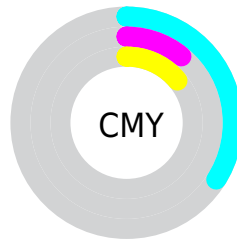
- Red (66%)
- Green (89%)
- Blue (86%)



- Red (66%)
- Yellow (78%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)





- Cyan (34%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9261, 0.2793, 0.3396 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 68.9261, 0.2793, 0.3396 by changing the saturation by 10% instead.


 68.9261, 0.2793,
0.3396

 68.9261, 0.2793,
0.3396


456.7703, 0.2948,
0.3348

 50.6515, 0.2757,
0.3407


 117.6760, 0.2847,
0.3379

 35.9314, 0.2713,
0.3420


148.9202, 0.2868,
0.3373

 24.3812, 0.2657,
0.3437


185.2563, 0.2886,
0.3367

 15.6166, 0.2583,
0.3459

227.0687, 0.2902,
0.3362

 9.2533, 0.2483,
0.3489

274.7420, 0.2916,
0.3358

 4.9068, 0.2337,
0.3531

328.6604, 0.2928,

 2.1927, 0.2108,

0.3354

389.2084, 0.2939,
0.3351

0.3593

0.7160, 0.0964,
0.3992

0.0000, 0.0000,
0.0000

68.9261, 0.2793,
0.3396

68.9261, 0.2793,
0.3396

66.4633, 0.2683,
0.3442

71.8370, 0.2914,
0.3353

64.4171, 0.2588,
0.3492


75.2087, 0.3043,
0.3313


62.7655, 0.2508,
0.3543

79.0640, 0.3177,
0.3277

61.4807, 0.2448,
0.3596


82.6075, 0.3285,
0.3244

 60.5314, 0.2407,
0.3649

 82.8040, 0.3262,
0.3211

 59.8812, 0.2385,
0.3702


 83.0043, 0.3240,
0.3177

 59.4842, 0.2381,
0.3755

 83.2084, 0.3217,
0.3144

 59.3726, 0.2382,
0.3775

 83.4164, 0.3195,
0.3111

 83.6282, 0.3173,
0.3079

Harmonies

Analogous

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



68.9261, 0.3013, 0.3614



68.9261, 0.2793, 0.3396



68.9261, 0.2664, 0.3155

Triad

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



68.9261, 0.2793, 0.3396



68.9261, 0.2970, 0.2885



68.9261, 0.3623, 0.3592

Complementary

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



68.9261, 0.2793, 0.3396



47.6908, 0.3606, 0.3188

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.



68.9261, 0.3614, 0.3392



68.9261, 0.2793, 0.3396



68.9261, 0.3228, 0.2995

Square

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



68.9261, 0.2793, 0.3396



68.9261, 0.2763, 0.2872



68.9261, 0.3467, 0.3177



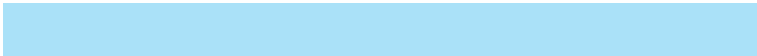
68.9261, 0.3495, 0.3722

Rectangle

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



68.9261, 0.2793, 0.3396



68.9261, 0.2643, 0.3020



68.9261, 0.3467, 0.3177



68.9261, 0.3636, 0.3530

Sweetspot

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



68.9289, 0.2793, 0.3396



96.1391, 0.3020, 0.3320



67.6638, 0.3153, 0.4029



20.4320, 0.3000, 0.3326



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.



68.9289, 0.2793, 0.3396



86.9083, 0.2727, 0.3423



58.5628, 0.2719, 0.3035



16.2974, 0.3001, 0.3325



34.3002, 0.2380, 0.3767



2.5448, 0.2358, 0.3689

Inverse Universe

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



47.6908, 0.3606, 0.3188



54.8294, 0.3755, 0.3164



55.7294, 0.3629, 0.3532



14.4030, 0.3269, 0.3255



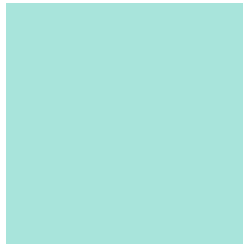
9.6020, 0.6190, 0.3184



0.7205, 0.5834, 0.2988

Previews

White Background



This preview shows how the Yxy color 68.9261, 0.2793, 0.3396 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 68.9261, 0.2793, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

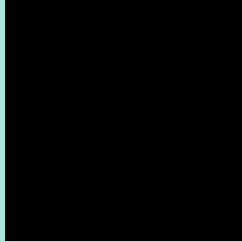
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

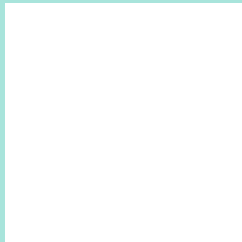
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9261, 0.2793, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 68.9261, 0.2793, 0.3396.

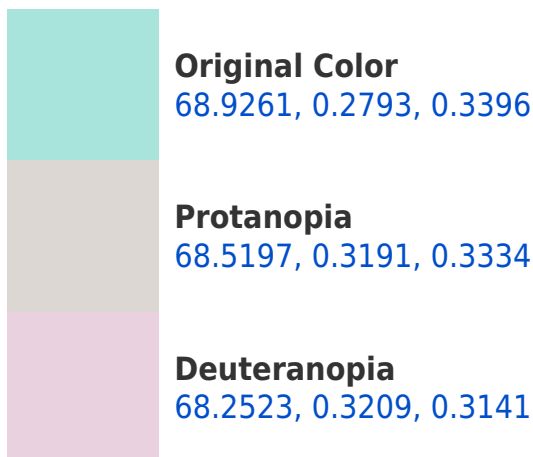


This preview shows how white text looks on a background with the Yxy color 68.9261, 0.2793, 0.3396.

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

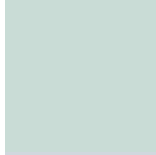
68.6064, 0.2692, 0.3082

Trichromacy



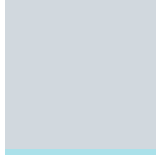
Original Color

68.9261, 0.2793, 0.3396



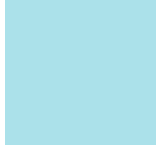
Protanomaly

68.4589, 0.3033, 0.3358



Deuteranomaly

67.9410, 0.3037, 0.3223



Tritanomaly

68.4489, 0.2724, 0.3184

Monochromacy



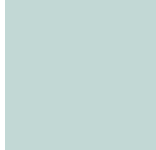
Original Color

68.9261, 0.2793, 0.3396



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.3852, 0.2990, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9261, 0.2793, 0.3396 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(168, 228, 219)` looks like.

```
.text, #text, p{  
    color:rgb(168, 228, 219)  
}
```

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(168, 228, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 228, 219) }
```

Border

The CSS property to change the border of an element to Yxy 68.9261, 0.2793, 0.3396 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(168, 228, 219) }
```

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

```
.border{ border-color:rgb(168, 228, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 228, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 228, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 228, 219); box-shadow:4px 4px 4px 4px rgb(168, 228, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9261, 0.2793, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 228, 219) }
```

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

```
.background{ background-color: rgb(168,  
228, 219) }
```

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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