

Converting Colors

$Yxy(68.1505, 0.2789, 0.3414)$

Have a look what the booklet for
Yxy(68.1505, 0.2789, 0.3414)
contains.

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Color

Yxy(67.9473, 0.2785, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	A5E3D9
RGB	165, 227, 217
RGB Percent	65%, 89%, 85%
CMY	0.3530, 0.1098, 0.1489
CMYK	0.27, 0.00, 0.04, 0.11
HSL	170°, 53%, 77%
HSV	170°, 27%, 89%
XYZ	55.5099, 67.9473, 75.8602
YIQ	207.3220, -33.7420, -16.2540

Conversions

Conversions Part 2

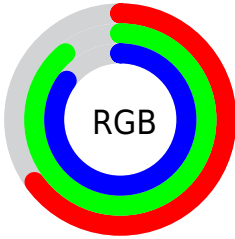
Format	Color
RYB	165, 199, 227
Decimal	10871769
CIELab	85.98, -21.63, -1.47
CIELCh	86, 21.680, 183.900
Yxy	67.9473, 0.2785, 0.3409
Android (android.graphics.Color)	4289061849 (0xFFA5E3D9)
YUV	207.3220, 4.7713, -37.1164
Hunter-Lab	82.4302, -24.0478, 3.1367

Details

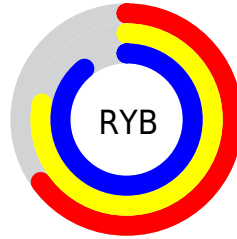
The Yxy color **67.9473, 0.2785, 0.3409** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.3256, 0.3624, 0.3176**, and the grayscale version is **62.5996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **35.1140, 0.2703, 0.3434** is the 20% darker color. If you saturate the color by 10%, you get **65.5407, 0.2678, 0.3459**, and if you desaturate by 10%, it is **70.7956, 0.2904, 0.3362**.

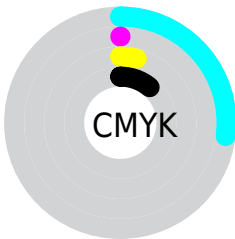
Distribution



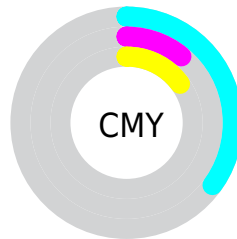
- Red (65%)
- Green (89%)
- Blue (85%)



- Red (65%)
- Yellow (78%)
- Blue (89%)



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (35%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9473, 0.2785, 0.3409 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 67.9473, 0.2785, 0.3409 by changing the saturation by 10% instead.


 67.9473, 0.2785,
0.3409

 67.9473, 0.2785,
0.3409


453.3093, 0.2945,
0.3354

 49.8549, 0.2748,
0.3421


 116.2767, 0.2841,
0.3390

 35.2981, 0.2703,
0.3437


 147.2825, 0.2862,
0.3383

 23.8926, 0.2645,
0.3456


183.3616, 0.2881,
0.3376

 15.2540, 0.2569,
0.3481

224.8983, 0.2897,
0.3371

 8.9978, 0.2464,
0.3516

272.2770, 0.2911,
0.3366

 4.7398, 0.2312,
0.3564

325.8821, 0.2923,

 2.0954, 0.2073,

0.3362

0.3639

386.0981, 0.2935,
0.3358

0.6620, 0.0638,
0.4171

0.0000, 0.0000,
0.0000

67.9473, 0.2785,
0.3409

67.9473, 0.2785,
0.3409

65.5407, 0.2678,
0.3459

70.7956, 0.2904,
0.3362

63.5447, 0.2585,
0.3513


74.0985, 0.3031,
0.3319


61.9370, 0.2508,
0.3568

77.8786, 0.3163,
0.3280

60.6899, 0.2450,
0.3625


82.0070, 0.3293,
0.3245

 59.7721, 0.2412,
0.3683

 82.2160, 0.3268,
0.3209

 59.1467, 0.2393,
0.3740

 82.4294, 0.3244,
0.3173

 58.7648, 0.2391,
0.3798

 82.6471, 0.3220,
0.3138

 58.6827, 0.2392,
0.3813

 82.8692, 0.3196,
0.3102

 83.0957, 0.3173,
0.3068

Harmonies

Analogous

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



67.9473, 0.3016, 0.3635



67.9473, 0.2785, 0.3409



67.9473, 0.2647, 0.3157

Triad

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



67.9473, 0.2785, 0.3409



67.9473, 0.2955, 0.2866



67.9473, 0.3647, 0.3598

Complementary

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



67.9473, 0.2785, 0.3409



46.3256, 0.3624, 0.3176

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.



67.9473, 0.3632, 0.3388



67.9473, 0.2785, 0.3409



67.9473, 0.3223, 0.2978

Square

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



67.9473, 0.2785, 0.3409



67.9473, 0.2741, 0.2855



67.9473, 0.3475, 0.3165



67.9473, 0.3517, 0.3738

Rectangle

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



67.9473, 0.2785, 0.3409



67.9473, 0.2622, 0.3014



67.9473, 0.3475, 0.3165



67.9473, 0.3659, 0.3533

Sweetspot

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



67.9501, 0.2785, 0.3409



96.1248, 0.3021, 0.3322



66.8076, 0.3161, 0.4060



20.4284, 0.3002, 0.3328



0.0000, 0.0000, 0.0000



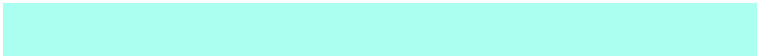
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9501, 0.2785, 0.3409



86.5406, 0.2720, 0.3438



57.8441, 0.2705, 0.3036



16.2945, 0.3003, 0.3328



34.2362, 0.2390, 0.3804



2.5406, 0.2367, 0.3720

Inverse Universe

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



46.3256, 0.3624, 0.3176



53.8055, 0.3774, 0.3150



54.0187, 0.3656, 0.3530



14.4056, 0.3267, 0.3252



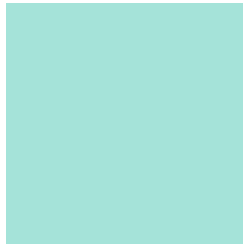
9.6114, 0.6166, 0.3170



0.7218, 0.5798, 0.2968

Previews

White Background



This preview shows how the Yxy color 67.9473, 0.2785, 0.3409 looks on a white background.

Color Contrast Check

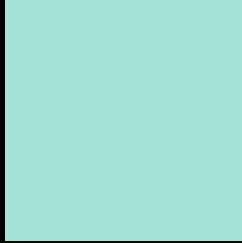
Large Text (above 18pt) WCAG AA × Fail

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 67.9473, 0.2785, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

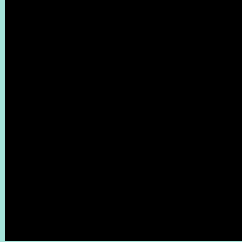
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

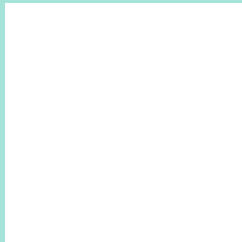
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9473, 0.2785, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 67.9473, 0.2785, 0.3409.

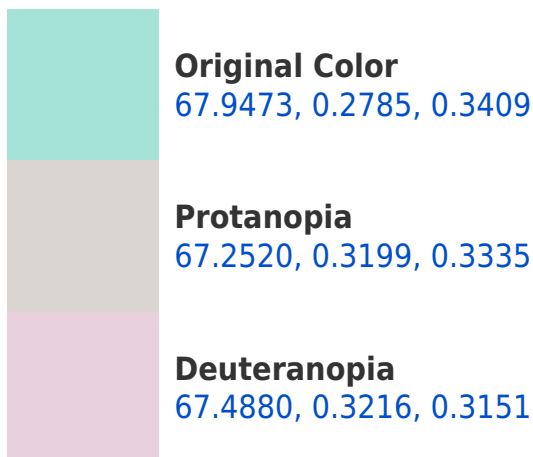


This preview shows how white text looks on a background with the Yxy color 67.9473, 0.2785, 0.3409.

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

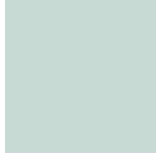
67.6723, 0.2678, 0.3080

Trichromacy



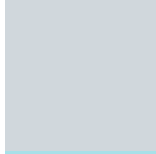
Original Color

67.9473, 0.2785, 0.3409



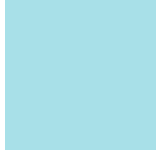
Protanomaly

67.0384, 0.3032, 0.3359



Deuteranomaly

67.1781, 0.3044, 0.3234



Tritanomaly

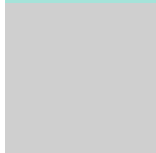
67.4623, 0.2717, 0.3195

Monochromacy



Original Color

67.9473, 0.2785, 0.3409



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.0028, 0.2989, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9473, 0.2785, 0.3409 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(165, 227, 217)` looks like.

```
.text, #text, p{  
    color:rgb(165, 227, 217)  
}
```

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(165, 227, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 227, 217) }
```

Border

The CSS property to change the border of an element to Yxy 67.9473, 0.2785, 0.3409 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(165, 227, 217) }
```

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

```
.border{ border-color:rgb(165, 227, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 227, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 227, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 227, 217);  
box-shadow:4px 4px 4px 4px rgb(165, 227,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9473, 0.2785, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 227, 217) }
```

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

```
.background{ background-color: rgb(165,  
227, 217) }
```

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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