

Converting Colors

$Y_{xy}(69.0242, 0.2787, 0.3420)$

Have a look what the booklet for
Yxy(69.0242, 0.2787, 0.3420)
contains.

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Color

Yxy(69.2076, 0.2788, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	A6E5DA
RGB	166, 229, 218
RGB Percent	65%, 90%, 85%
CMY	0.3489, 0.1020, 0.1452
CMYK	0.27, 0.00, 0.05, 0.10
HSL	169°, 55%, 77%
HSV	169°, 27%, 90%
XYZ	56.4019, 69.2076, 76.6928
YIQ	208.9090, -34.0170, -16.7770

Conversions

Conversions Part 2

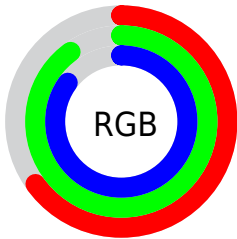
Format	Color
R _Y B	166, 201, 229
Decimal	10937818
CIE Lab	86.61, -22.10, -1.04
CIE LCh	87, 22.128, 182.695
Yxy	69.2076, 0.2788, 0.3421
Android (android.graphics.Color)	4289127898 (0xFFA6E5DA)
YUV	208.9090, 4.4819, -37.6312
Hunter-Lab	83.1911, -24.5651, 3.5751

Details

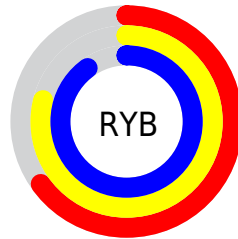
The Yxy color **69.2076, 0.2788, 0.3421** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1208, 0.3620, 0.3164**, and the grayscale version is **63.6897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **35.9762, 0.2707, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **66.7438, 0.2682, 0.3476**, and if you desaturate by 10%, it is **72.1228, 0.2905, 0.3370**.

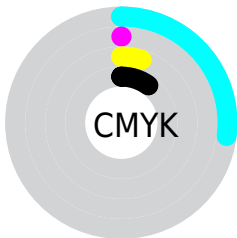
Distribution



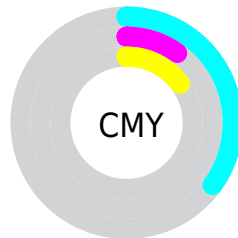
- Red (65%)
- Green (90%)
- Blue (85%)



- Red (65%)
- Yellow (79%)
- Blue (90%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)





- Cyan (35%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2076, 0.2788, 0.3421 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 69.2076, 0.2788, 0.3421 by changing the saturation by 10% instead.


 69.2076, 0.2788,
0.3421


 69.2076, 0.2788,
0.3421


457.7628, 0.2946,
0.3361

 50.8808, 0.2752,
0.3435


 118.0780, 0.2843,
0.3400

 36.1138, 0.2707,
0.3452

 149.3905, 0.2864,
0.3392

 24.5221, 0.2650,
0.3473


185.8002, 0.2883,
0.3385

 15.7213, 0.2575,
0.3501

227.6917, 0.2898,
0.3379

 9.3272, 0.2473,
0.3539

275.4493, 0.2912,
0.3373

 4.9552, 0.2325,
0.3594

329.4575, 0.2925,

 2.2210, 0.2092,

0.3369

0.3677

390.1005, 0.2936,
0.3364

0.7314, 0.0886,
0.4165

0.0000, 0.0000,
0.0000

69.2076, 0.2788,
0.3421

69.2076, 0.2788,
0.3421

66.7438, 0.2682,
0.3476

72.1228, 0.2905,
0.3370

64.6995, 0.2591,
0.3535

75.5026, 0.3030,
0.3323

63.0520, 0.2516,
0.3596

79.3700, 0.3160,
0.3280

61.7728, 0.2459,
0.3658

83.2408, 0.3275,
0.3241

■ 60.8299, 0.2422,
0.3722

■ 83.4741, 0.3248,
0.3202

■ 60.1854, 0.2405,
0.3785

■ 83.7126, 0.3222,
0.3162

■ 59.7888, 0.2405,
0.3848

■ 83.9564, 0.3196,
0.3124

■ 59.7080, 0.2407,
0.3864

■ 84.2056, 0.3170,
0.3085

■ 84.4601, 0.3145,
0.3047

Harmonies

Analogous

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



69.2076, 0.3025, 0.3648



69.2076, 0.2788, 0.3421



69.2076, 0.2644, 0.3164

Triad

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



69.2076, 0.2788, 0.3421



69.2076, 0.2942, 0.2857



69.2076, 0.3657, 0.3594

Complementary

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



69.2076, 0.2788, 0.3421



47.1208, 0.3620, 0.3164

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.



69.2076, 0.3636, 0.3380



69.2076, 0.2788, 0.3421



69.2076, 0.3213, 0.2967

Square

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



69.2076, 0.2788, 0.3421



69.2076, 0.2729, 0.2851



69.2076, 0.3471, 0.3155



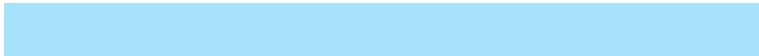
69.2076, 0.3530, 0.3741

Rectangle

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



69.2076, 0.2788, 0.3421



69.2076, 0.2615, 0.3018



69.2076, 0.3471, 0.3155



69.2076, 0.3667, 0.3528

Sweetspot

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



69.2104, 0.2788, 0.3421



96.1061, 0.3023, 0.3325



68.2090, 0.3168, 0.4064



20.4236, 0.3003, 0.3332



0.0000, 0.0000, 0.0000



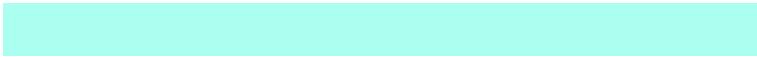
21.4041, 0.3127, 0.3290

Same Dimension

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



69.2104, 0.2788, 0.3421



86.4676, 0.2726, 0.3452



59.3995, 0.2703, 0.3048



16.2908, 0.3005, 0.3331



34.1538, 0.2404, 0.3854



2.5353, 0.2378, 0.3762

Inverse Universe

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



47.1208, 0.3620, 0.3164



53.8571, 0.3763, 0.3137



54.5200, 0.3664, 0.3520



14.4090, 0.3265, 0.3249



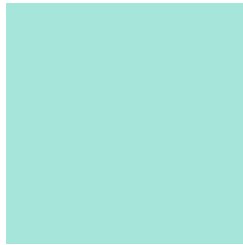
9.6246, 0.6132, 0.3152



0.7234, 0.5750, 0.2941

Previews

White Background



This preview shows how the Yxy color 69.2076, 0.2788, 0.3421 looks on a white background.

Color Contrast Check

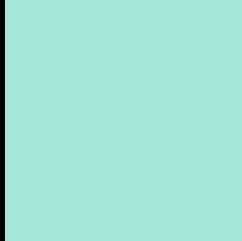
Large Text (above 18pt) WCAG AA × Fail

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 69.2076, 0.2788, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

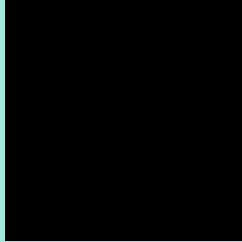
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

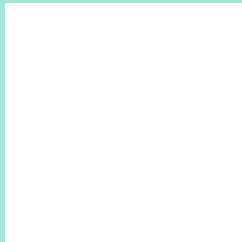
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.2076, 0.2788, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 69.2076, 0.2788, 0.3421.

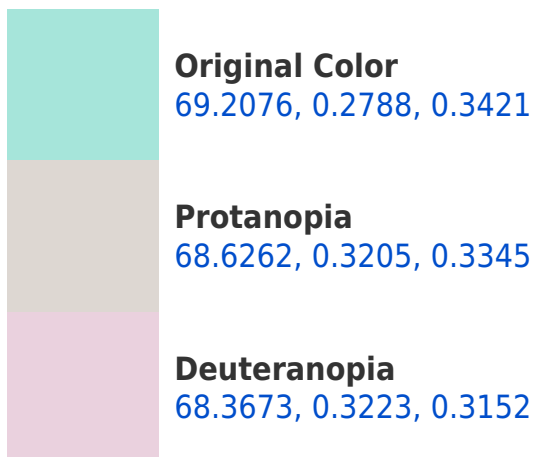


This preview shows how white text looks on a background with the Yxy color 69.2076, 0.2788, 0.3421.

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

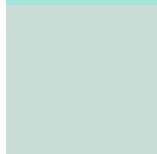
68.9794, 0.2676, 0.3082

Trichromacy



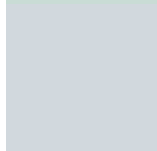
Original Color

69.2076, 0.2788, 0.3421



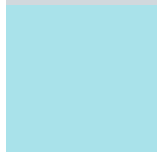
Protanomaly

68.4080, 0.3039, 0.3370



Deuteranomaly

67.8875, 0.3044, 0.3234



Tritanomaly

68.7682, 0.2714, 0.3195

Monochromacy



Original Color

69.2076, 0.2788, 0.3421



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.2027, 0.2990, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2076, 0.2788, 0.3421 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(166, 229, 218)` looks like.

```
.text, #text, p{  
    color:rgb(166, 229, 218)  
}
```

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(166, 229, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 229, 218) }
```

Border

The CSS property to change the border of an element to Yxy 69.2076, 0.2788, 0.3421 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(166, 229, 218) }
```

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

```
.border{ border-color:rgb(166, 229, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 229, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 229, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 229, 218);  
box-shadow:4px 4px 4px 4px rgb(166, 229,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2076, 0.2788, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 229, 218) }
```

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

```
.background{ background-color: rgb(166,  
229, 218) }
```

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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