

Converting Colors

Yxy(67.8984, 0.2791, 0.3421)

Have a look what the booklet for
Yxy(67.8984, 0.2791, 0.3421)
contains.

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Color

Yxy(67.8954, 0.2791, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	A5E3D8
RGB	165, 227, 216
RGB Percent	65%, 89%, 85%
CMY	0.3530, 0.1098, 0.1530
CMYK	0.27, 0.00, 0.05, 0.11
HSL	169°, 53%, 77%
HSV	169°, 27%, 89%
XYZ	55.3758, 67.8954, 75.1373
YIQ	207.2080, -33.4210, -16.5650

Conversions

Conversions Part 2

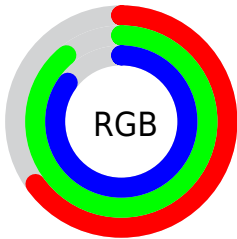
Format	Color
RYB	165, 199, 227
Decimal	10871768
CIELab	85.95, -21.85, -0.95
CIELCh	86, 21.875, 182.501
Yxy	67.8954, 0.2791, 0.3422
Android (android.graphics.Color)	4289061848 (0xFFA5E3D8)
YUV	207.2080, 4.3345, -37.0164
Hunter-Lab	82.3987, -24.2372, 3.6140

Details

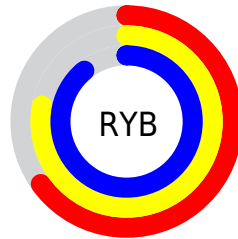
The Yxy color **67.8954, 0.2791, 0.3422** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.3725, 0.3614, 0.3164**, and the grayscale version is **62.5243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **35.0785, 0.2710, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **65.4701, 0.2685, 0.3478**, and if you desaturate by 10%, it is **70.7633, 0.2908, 0.3370**.

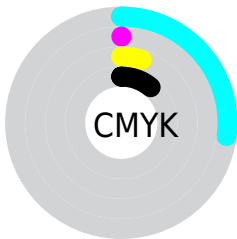
Distribution



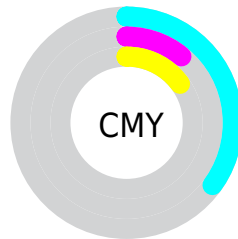
- Red (65%)
- Green (89%)
- Blue (85%)



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



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8954, 0.2791, 0.3422 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 67.8954, 0.2791, 0.3422 by changing the saturation by 10% instead.

 67.8954, 0.2791,
0.3422


 67.8954, 0.2791,
0.3422

453.1253, 0.2948,
0.3361

 49.8126, 0.2755,
0.3436


 116.2025, 0.2846,
0.3401

 35.2646, 0.2710,
0.3453


 147.1956, 0.2867,
0.3393

 23.8667, 0.2653,
0.3475


183.2610, 0.2885,
0.3385

 15.2348, 0.2578,
0.3504

224.7830, 0.2901,
0.3379

 8.9843, 0.2475,
0.3543

272.1460, 0.2915,
0.3374

 4.7310, 0.2325,
0.3599

325.7345, 0.2927,

 2.0903, 0.2087,

0.3369

385.9328, 0.2938,
0.3365

0.3687

0.6592, 0.0605,
0.4290

0.0000, 0.0000,
0.0000

67.8954, 0.2791,
0.3422

67.8954, 0.2791,
0.3422

65.4701, 0.2685,
0.3478

70.7633, 0.2908,
0.3370

63.4564, 0.2594,
0.3537

74.0869, 0.3032,
0.3322


61.8319, 0.2519,
0.3599

77.8886, 0.3162,
0.3279

60.5689, 0.2462,
0.3663


82.0371, 0.3289,
0.3240

 59.6361, 0.2425,
0.3727


 82.2694, 0.3263,
0.3200


 58.9966, 0.2407,
0.3792


 82.5069, 0.3236,
0.3161

 58.6016, 0.2408,
0.3855

 82.7498, 0.3209,
0.3122

 58.5160, 0.2409,
0.3873

 82.9981, 0.3183,
0.3083

 83.2518, 0.3157,
0.3044

Harmonies

Analogous

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



67.8954, 0.3027, 0.3647



67.8954, 0.2791, 0.3422



67.8954, 0.2646, 0.3167

Triad

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



67.8954, 0.2791, 0.3422



67.8954, 0.2941, 0.2859



67.8954, 0.3655, 0.3592

Complementary

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



67.8954, 0.2791, 0.3422



46.3725, 0.3614, 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.



67.8954, 0.3633, 0.3378



67.8954, 0.2791, 0.3422



67.8954, 0.3211, 0.2968

Square

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



67.8954, 0.2791, 0.3422



67.8954, 0.2730, 0.2854



67.8954, 0.3468, 0.3154



67.8954, 0.3530, 0.3738

Rectangle

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



67.8954, 0.2791, 0.3422



67.8954, 0.2618, 0.3020



67.8954, 0.3468, 0.3154



67.8954, 0.3665, 0.3525

Sweetspot

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



67.8982, 0.2791, 0.3422



96.1027, 0.3023, 0.3326



66.9314, 0.3168, 0.4058



20.4228, 0.3004, 0.3333



0.0000, 0.0000, 0.0000



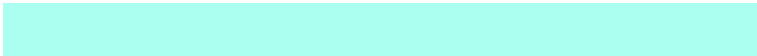
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8982, 0.2791, 0.3422



86.4544, 0.2727, 0.3455



58.3488, 0.2706, 0.3049



16.2901, 0.3005, 0.3332



34.1391, 0.2406, 0.3863



2.5343, 0.2380, 0.3769

Inverse Universe

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



46.3725, 0.3614, 0.3164



53.8665, 0.3761, 0.3135



53.5903, 0.3659, 0.3518



14.4096, 0.3265, 0.3248



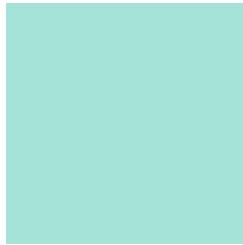
9.6271, 0.6126, 0.3148



0.7237, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 67.8954, 0.2791, 0.3422 looks on a white background.

Color Contrast Check

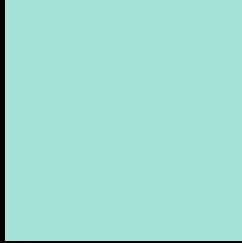
Large Text (above 18pt) WCAG AA × Fail

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 67.8954, 0.2791, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

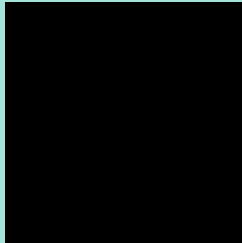
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

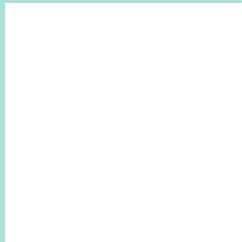
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8954, 0.2791, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 67.8954, 0.2791, 0.3422.



This preview shows how white text looks on a background with the Yxy color 67.8954, 0.2791, 0.3422.

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

67.8954, 0.2791, 0.3422

Protanopia

67.2026, 0.3206, 0.3346

Deuteranopia

67.4349, 0.3223, 0.3162



Tritanopia

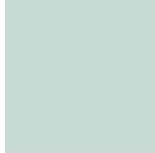
67.6723, 0.2678, 0.3080

Trichromacy



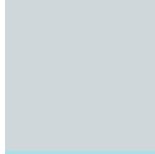
Original Color

67.8954, 0.2791, 0.3422



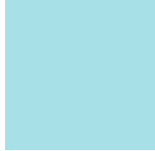
Protanomaly

66.9881, 0.3038, 0.3371



Deuteranomaly

67.1252, 0.3050, 0.3245



Tritanomaly

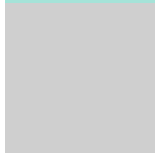
67.4623, 0.2717, 0.3195

Monochromacy



Original Color

67.8954, 0.2791, 0.3422



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

63.9527, 0.2996, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8954, 0.2791, 0.3422 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(165, 227, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 227, 216) }
```

Border

The CSS property to change the border of an element to Yxy 67.8954, 0.2791, 0.3422 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, 216) }
```

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

```
.border{ border-color:rgb(165, 227, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(165, 227,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8954, 0.2791, 0.3422 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, 216) }
```

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

```
.background{ background-color: rgb(165,  
227, 216) }
```

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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