

Converting Colors

$Yxy(68.0965, 0.2738, 0.3408)$

Have a look what the booklet for
Yxy(68.0965, 0.2738, 0.3408)
contains.

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Color

Yxy(67.8704, 0.2735, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	9EE4DB
RGB	158, 228, 219
RGB Percent	62%, 89%, 86%
CMY	0.3804, 0.1059, 0.1412
CMYK	0.31, 0.00, 0.04, 0.11
HSL	172°, 56%, 76%
HSV	172°, 31%, 89%
XYZ	54.6279, 67.8704, 77.2380
YIQ	206.0440, -38.8310, -17.6390

Conversions

Conversions Part 2

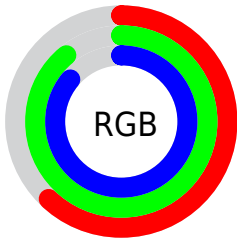
Format	Color
RYB	158, 195, 228
Decimal	10413275
CIELab	85.94, -23.69, -2.61
CIELCh	86, 23.832, 186.283
Yxy	67.8704, 0.2735, 0.3398
Android (android.graphics.Color)	4288603355 (0xFF9EE4DB)
YUV	206.0440, 6.3873, -42.1346
Hunter-Lab	82.3835, -25.8091, 2.0815

Details

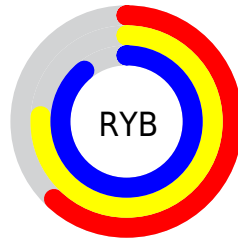
The Yxy color **67.8704, 0.2735, 0.3398** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.7347, 0.3731, 0.3187**, and the grayscale version is **61.7279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **35.1284, 0.2643, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **65.6186, 0.2629, 0.3439**, and if you desaturate by 10%, it is **70.5594, 0.2854, 0.3360**.

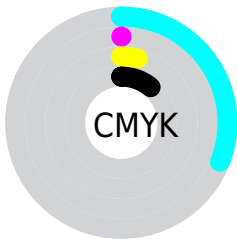
Distribution



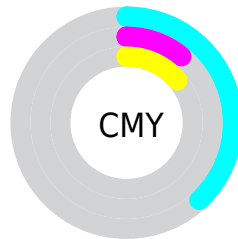
- Red (62%)
- Green (89%)
- Blue (86%)



- Red (62%)
- Yellow (76%)
- Blue (89%)



- Cyan (31%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)





- Cyan (38%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8704, 0.2735, 0.3398 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 67.8704, 0.2735, 0.3398 by changing the saturation by 10% instead.


 67.8704, 0.2735,
0.3398


 67.8704, 0.2735,
0.3398


453.0367, 0.2918,
0.3349

 49.7923, 0.2693,
0.3409


 116.1667, 0.2799,
0.3381

 35.2484, 0.2641,
0.3422


 147.1537, 0.2823,
0.3375

 23.8543, 0.2575,
0.3439

183.2125, 0.2844,
0.3369

 15.2256, 0.2489,
0.3460

224.7275, 0.2863,
0.3364

 8.9778, 0.2371,
0.3489

272.0830, 0.2879,
0.3360

 4.7267, 0.2200,
0.3528

325.6634, 0.2893,

 2.0878, 0.1933,

0.3356

0.3584

385.8532, 0.2906,
0.3352

0.6578, 0.0293,
0.4103

0.0000, 0.0000,
0.0000

67.8704, 0.2735,
0.3398

67.8704, 0.2735,
0.3398

65.6186, 0.2629,
0.3439

70.5594, 0.2854,
0.3360

63.7718, 0.2539,
0.3481


73.6991, 0.2982,
0.3324

62.3069, 0.2466,
0.3526


77.3130, 0.3117,
0.3292

61.1946, 0.2412,
0.3571

81.4200, 0.3257,
0.3263

 60.4016, 0.2378,
0.3616


 82.6720, 0.3278,
0.3235

 59.8882, 0.2363,
0.3661

 82.8417, 0.3259,
0.3206

 59.5993, 0.2362,
0.3703

 83.0142, 0.3239,
0.3177

 83.1895, 0.3220,
0.3149

 83.3676, 0.3201,
0.3120

Harmonies

Analogous

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



67.8704, 0.2982, 0.3655



67.8704, 0.2735, 0.3398



67.8704, 0.2594, 0.3121

Triad

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



67.8704, 0.2735, 0.3398



67.8704, 0.2959, 0.2832



67.8704, 0.3693, 0.3642

Complementary

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



67.8704, 0.2735, 0.3398



43.7347, 0.3731, 0.3187

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.



67.8704, 0.3691, 0.3415



67.8704, 0.2735, 0.3398



67.8704, 0.3256, 0.2962

Square

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



67.8704, 0.2735, 0.3398



67.8704, 0.2719, 0.2810



67.8704, 0.3528, 0.3171



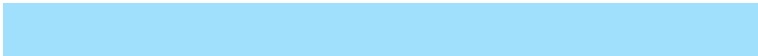
67.8704, 0.3538, 0.3789

Rectangle

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



67.8704, 0.2735, 0.3398



67.8704, 0.2575, 0.2970



67.8704, 0.3528, 0.3171



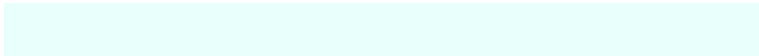
67.8704, 0.3711, 0.3572

Sweetspot

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



67.8731, 0.2735, 0.3398



95.7155, 0.3004, 0.3319



66.2098, 0.3147, 0.4174



20.3490, 0.2985, 0.3324



0.0000, 0.0000, 0.0000



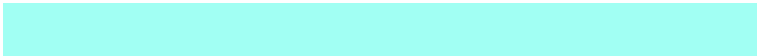
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8731, 0.2735, 0.3398



85.5236, 0.2664, 0.3424



55.2675, 0.2650, 0.2971



16.3028, 0.2999, 0.3320



34.4248, 0.2360, 0.3696



2.5528, 0.2342, 0.3630

Inverse Universe

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



43.7347, 0.3731, 0.3187



49.6365, 0.3917, 0.3165



53.1040, 0.3732, 0.3588



14.3980, 0.3272, 0.3260



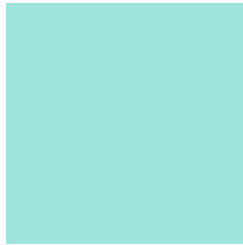
9.5859, 0.6232, 0.3207



0.7182, 0.5906, 0.3027

Previews

White Background



This preview shows how the Yxy color 67.8704, 0.2735, 0.3398 looks on a white background.

Color Contrast Check

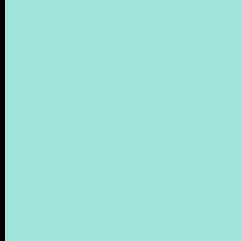
Large Text (above 18pt) WCAG AA × Fail

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 67.8704, 0.2735, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

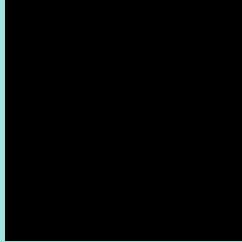
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

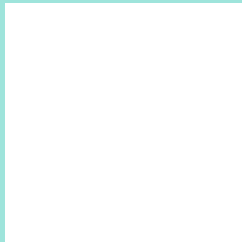
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8704, 0.2735, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 67.8704, 0.2735, 0.3398.

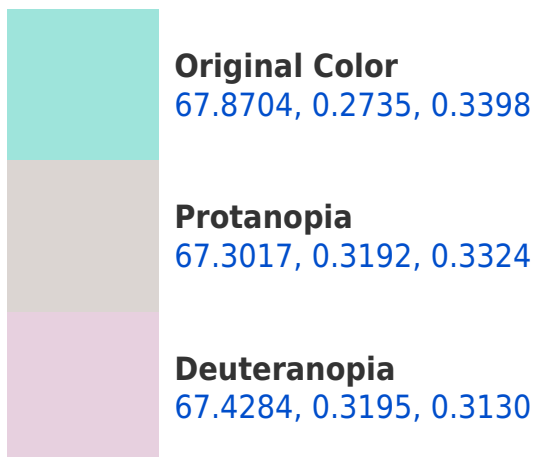


This preview shows how white text looks on a background with the Yxy color 67.8704, 0.2735, 0.3398.

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

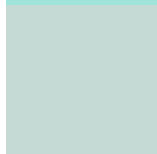
67.5086, 0.2635, 0.3079

Trichromacy



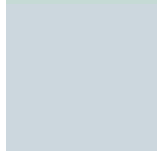
Original Color

67.8704, 0.2735, 0.3398



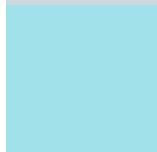
Protanomaly

66.8172, 0.3011, 0.3347



Deuteranomaly

66.7122, 0.3002, 0.3210



Tritanomaly

67.3680, 0.2668, 0.3182

Monochromacy



Original Color

67.8704, 0.2735, 0.3398



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.6151, 0.2968, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8704, 0.2735, 0.3398 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(158, 228, 219)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 228, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 228, 219) }
```

Border

The CSS property to change the border of an element to Yxy 67.8704, 0.2735, 0.3398 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(158, 228, 219) }
```

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

```
.border{ border-color:rgb(158, 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(158, 228, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 228, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 228, 219);  
box-shadow:4px 4px 4px 4px rgb(158, 228,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8704, 0.2735, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 228, 219) }
```

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

```
.background{ background-color: rgb(158,  
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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