

Converting Colors

$Yxy(67.9871, 0.2769, 0.3397)$

Have a look what the booklet for
Yxy(67.9871, 0.2769, 0.3397)
contains.

Yxy(67.7867, 0.2768, 0.3398)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.7867, 0.2768, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	A3E3DA
RGB	163, 227, 218
RGB Percent	64%, 89%, 85%
CMY	0.3609, 0.1097, 0.1452
CMYK	0.28, 0.00, 0.04, 0.11
HSL	172°, 53%, 76%
HSV	172°, 28%, 89%
XYZ	55.2188, 67.7867, 76.4845
YIQ	206.8380, -35.2550, -16.3670

Conversions

Conversions Part 2

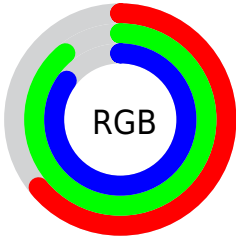
Format	Color
RYB	163, 197, 227
Decimal	10740698
CIELab	85.90, -22.01, -2.10
CIELCh	86, 22.114, 185.445
Yxy	67.7867, 0.2768, 0.3398
Android (android.graphics.Color)	4288930778 (0xFFA3E3DA)
YUV	206.8380, 5.5029, -38.4459
Hunter-Lab	82.3327, -24.3659, 2.5543

Details

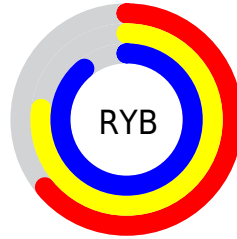
The Yxy color **67.7867, 0.2768, 0.3398** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4921, 0.3658, 0.3186**, and the grayscale version is **62.2634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **35.0214, 0.2682, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **65.4389, 0.2660, 0.3442**, and if you desaturate by 10%, it is **70.5733, 0.2888, 0.3357**.

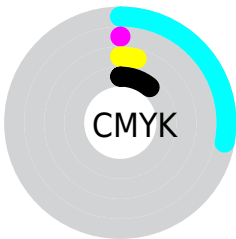
Distribution



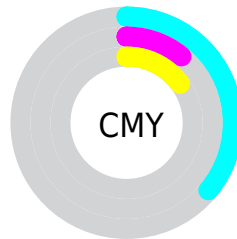
- Red (64%)
- Green (89%)
- Blue (85%)



- Red (64%)
- Yellow (77%)
- Blue (89%)



- Cyan (28%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (36%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7867, 0.2768, 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 67.7867, 0.2768, 0.3398 by changing the saturation by 10% instead.


 67.7867, 0.2768,
0.3398


 67.7867, 0.2768,
0.3398


452.7399, 0.2935,
0.3349

 49.7242, 0.2729,
0.3409

 116.0469, 0.2826,
0.3381

 35.1943, 0.2682,
0.3423


 147.0135, 0.2849,
0.3374

 23.8126, 0.2621,
0.3440


183.0502, 0.2868,
0.3369

 15.1947, 0.2541,
0.3462

224.5415, 0.2885,
0.3364

 8.9561, 0.2432,
0.3492

271.8717, 0.2900,
0.3359

 4.7126, 0.2274,
0.3534

325.4252, 0.2913,

 2.0796, 0.2025,

0.3355

385.5865, 0.2925,
0.3352

0.3595

0.6531, 0.0523,
0.4097

0.0000, 0.0000,
0.0000

67.7867, 0.2768,
0.3398

67.7867, 0.2768,
0.3398

65.4389, 0.2660,
0.3442

70.5733, 0.2888,
0.3357

63.4987, 0.2567,
0.3489

73.8117, 0.3017,
0.3319

61.9436, 0.2490,
0.3537

77.5247, 0.3152,
0.3284

60.7456, 0.2433,
0.3587

81.7310, 0.3290,
0.3253

■ 59.8729, 0.2394,
0.3637

■ 82.1468, 0.3277,
0.3221

■ 59.2880, 0.2376,
0.3687

■ 82.3327, 0.3256,
0.3190

■ 58.9375, 0.2373,
0.3737

■ 82.5219, 0.3234,
0.3159

■ 58.8855, 0.2374,
0.3745

■ 82.7145, 0.3213,
0.3128

■ 82.9104, 0.3193,
0.3097

Harmonies

Analogous

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



67.7867, 0.3000, 0.3633



67.7867, 0.2768, 0.3398



67.7867, 0.2633, 0.3141

Triad

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



67.7867, 0.2768, 0.3398



67.7867, 0.2964, 0.2861



67.7867, 0.3655, 0.3613

Complementary

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



67.7867, 0.2768, 0.3398



45.4921, 0.3658, 0.3186

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.



67.7867, 0.3648, 0.3402



67.7867, 0.2768, 0.3398



67.7867, 0.3239, 0.2980

Square

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



67.7867, 0.2768, 0.3398



67.7867, 0.2742, 0.2844



67.7867, 0.3493, 0.3174



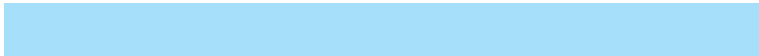
67.7867, 0.3515, 0.3752

Rectangle

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



67.7867, 0.2768, 0.3398



67.7867, 0.2613, 0.2998



67.7867, 0.3493, 0.3174



67.7867, 0.3670, 0.3548

Sweetspot

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



67.7895, 0.2768, 0.3398



96.1501, 0.3019, 0.3318



66.4246, 0.3154, 0.4090



20.4348, 0.2999, 0.3324



0.0000, 0.0000, 0.0000



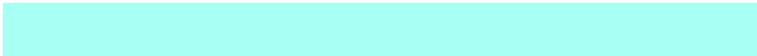
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7895, 0.2768, 0.3398



86.3345, 0.2702, 0.3424



56.7987, 0.2690, 0.3014



16.2996, 0.3000, 0.3323



34.3501, 0.2372, 0.3738



2.5480, 0.2352, 0.3665

Inverse Universe

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



45.4921, 0.3658, 0.3186



52.6934, 0.3818, 0.3163



53.8331, 0.3674, 0.3550



14.4010, 0.3270, 0.3257



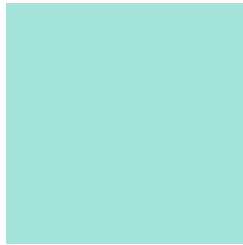
9.5953, 0.6208, 0.3193



0.7196, 0.5863, 0.3003

Previews

White Background



This preview shows how the Yxy color 67.7867, 0.2768, 0.3398 looks on a white background.

Color Contrast Check

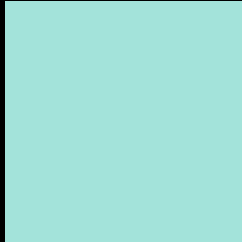
Large Text (above 18pt) WCAG AA × Fail

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 67.7867, 0.2768, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

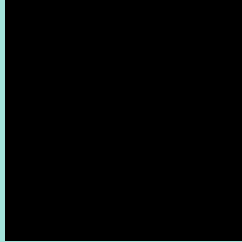
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

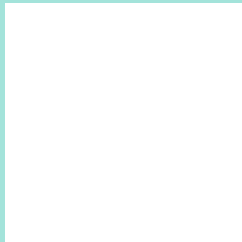
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7867, 0.2768, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 67.7867, 0.2768, 0.3398.

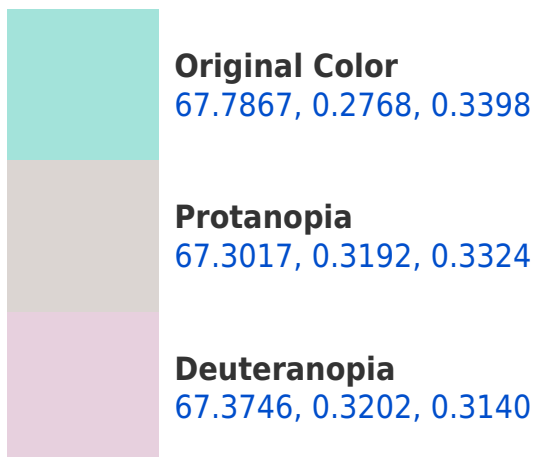


This preview shows how white text looks on a background with the Yxy color 67.7867, 0.2768, 0.3398.

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

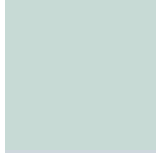
67.4511, 0.2667, 0.3080

Trichromacy



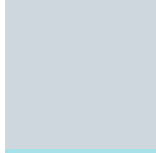
Original Color

67.7867, 0.2768, 0.3398



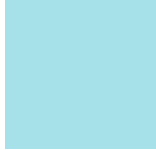
Protanomaly

67.0890, 0.3025, 0.3347



Deuteranomaly

66.9431, 0.3023, 0.3222



Tritanomaly

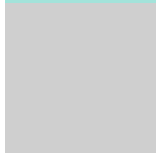
67.3015, 0.2700, 0.3183

Monochromacy



Original Color

67.7867, 0.2768, 0.3398



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

63.8726, 0.2982, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7867, 0.2768, 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(163, 227, 218)` looks like.

```
.text, #text, p{  
    color:rgb(163, 227, 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(163, 227, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 227, 218) }
```

Border

The CSS property to change the border of an element to Yxy 67.7867, 0.2768, 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(163, 227, 218) }
```

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

```
.border{ border-color:rgb(163, 227, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 227, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 227, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 227, 218);  
box-shadow:4px 4px 4px 4px rgb(163, 227,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7867, 0.2768, 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(163, 227, 218) }
```

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

```
.background{ background-color: rgb(163,  
227, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor