

Converting Colors

$Yxy(67.8389, 0.2848, 0.3687)$

Have a look what the booklet for
Yxy(67.8389, 0.2848, 0.3687)
contains.

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Color

Yxy(67.8389, 0.2848, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	9DE6C6
RGB	157, 230, 198
RGB Percent	62%, 90%, 78%
CMY	0.3841, 0.0981, 0.2235
CMYK	0.32, 0.00, 0.14, 0.10
HSL	154°, 59%, 76%
HSV	154°, 32%, 90%
XYZ	52.4017, 67.8389, 63.7542
YIQ	204.5250, -33.2360, -25.4280

Conversions

Conversions Part 2

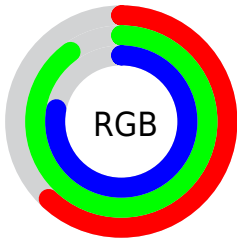
Format	Color
RYB	157, 204, 230
Decimal	10348230
CIELab	85.93, -29.35, 8.41
CIELCh	86, 30.529, 164.000
Yxy	67.8389, 0.2848, 0.3687
Android (android.graphics.Color)	4288538310 (0xFF9DE6C6)
YUV	204.5250, -3.2168, -41.6794
Hunter-Lab	82.3644, -30.5727, 11.7616

Details

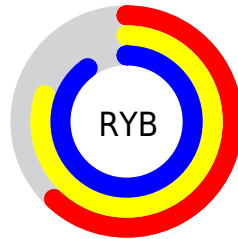
The Yxy color **67.8389, 0.2848, 0.3687** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6320, 0.3534, 0.2927**, and the grayscale version is **60.7780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **35.1693, 0.2778, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **65.2906, 0.2775, 0.3838**, and if you desaturate by 10%, it is **70.8592, 0.2931, 0.3548**.

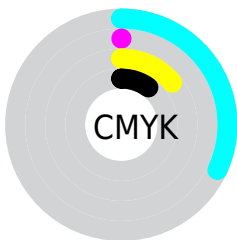
Distribution



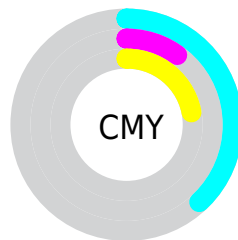
- Red (62%)
- Green (90%)
- Blue (78%)



- Red (62%)
- Yellow (80%)
- Blue (90%)



- Cyan (32%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (38%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8389, 0.2848, 0.3687 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 67.8389, 0.2848, 0.3687 by changing the saturation by 10% instead.


 67.8389, 0.2848,
0.3687


 67.8389, 0.2848,
0.3687


452.9250, 0.2981,
0.3496

 49.7667, 0.2817,
0.3733


 116.1216, 0.2895,
0.3619

 35.2280, 0.2777,
0.3790


 147.1010, 0.2913,
0.3593

 23.8386, 0.2726,
0.3865


183.1514, 0.2929,
0.3571

 15.2139, 0.2658,
0.3966

224.6575, 0.2942,
0.3552

 8.9697, 0.2562,
0.4110

272.0035, 0.2954,
0.3535

 4.7214, 0.2418,
0.4330


325.5738, 0.2964,


 2.0847, 0.2178,

0.3520

0.4706


385.7528, 0.2973,
0.3507


 0.6560, 0.0000,
0.8389


 0.0000, 0.0000,
0.0000

 67.8389, 0.2848,
0.3687


 67.8389, 0.2848,
0.3687


 65.2906, 0.2775,
0.3838


 70.8592, 0.2931,
0.3548


 63.1810, 0.2713,
0.3998


 74.3664, 0.3019,
0.3422

 61.4853, 0.2668,
0.4167


 78.3848, 0.3111,
0.3308


 60.1727, 0.2641,
0.4340


 82.9348, 0.3204,
0.3207

 59.2080, 0.2634,
0.4513

 84.6560, 0.3180,
0.3111

 58.5491, 0.2648,
0.4682

 85.0709, 0.3138,
0.3048

 58.1782, 0.2671,
0.4817

Harmonies

Analogous

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



67.8389, 0.3215, 0.3923



67.8389, 0.2848, 0.3687



67.8389, 0.2567, 0.3330

Triad

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



67.8389, 0.2848, 0.3687



67.8389, 0.2674, 0.2676



67.8389, 0.3873, 0.3520

Complementary

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



67.8389, 0.2848, 0.3687



44.6320, 0.3534, 0.2927

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.



67.8389, 0.3713, 0.3212



67.8389, 0.2848, 0.3687



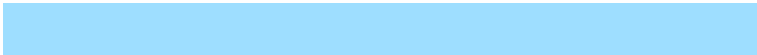
67.8389, 0.3004, 0.2743

Square

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



67.8389, 0.2848, 0.3687



67.8389, 0.2473, 0.2757



67.8389, 0.3387, 0.2935



67.8389, 0.3818, 0.3794

Rectangle

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



67.8389, 0.2848, 0.3687



67.8389, 0.2460, 0.3093



67.8389, 0.3387, 0.2935



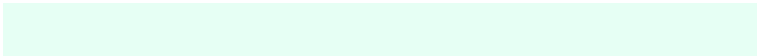
67.8389, 0.3843, 0.3418

Sweetspot

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



67.8417, 0.2848, 0.3687



94.7806, 0.3034, 0.3402



69.9587, 0.3308, 0.4163



20.1414, 0.3021, 0.3419



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.



67.8417, 0.2848, 0.3687



83.5773, 0.2799, 0.3784



67.4690, 0.2669, 0.3245



16.2240, 0.3040, 0.3395



32.9638, 0.2664, 0.4792



2.4545, 0.2597, 0.4551

Inverse Universe

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



44.6320, 0.3534, 0.2927



49.9467, 0.3652, 0.2851



44.6447, 0.3840, 0.3334



14.4725, 0.3224, 0.3187



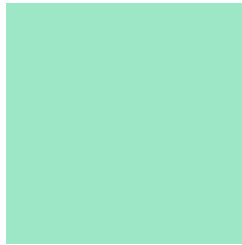
10.0788, 0.5212, 0.2645



0.7632, 0.4848, 0.2444

Previews

White Background



This preview shows how the Yxy color 67.8389, 0.2848, 0.3687 looks on a white background.

Color Contrast Check

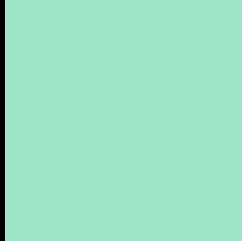
Large Text (above 18pt) WCAG AA × Fail

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 67.8389, 0.2848, 0.3687 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

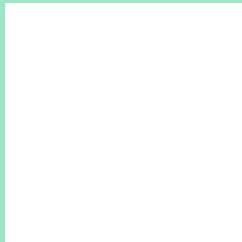
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8389, 0.2848, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 67.8389, 0.2848, 0.3687.

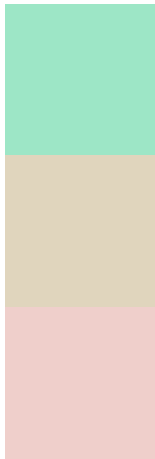


This preview shows how white text looks on a background with the Yxy color 67.8389, 0.2848, 0.3687.

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

67.8389, 0.2848, 0.3687

Protanopia

67.1099, 0.3379, 0.3559

Deuteranopia

67.2882, 0.3403, 0.3334



Tritanopia

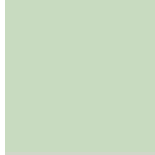
67.8291, 0.2652, 0.3080

Trichromacy



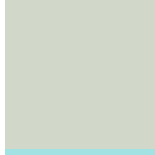
Original Color

67.8389, 0.2848, 0.3687



Protanomaly

66.7482, 0.3170, 0.3607



Deuteranomaly

66.3732, 0.3178, 0.3451



Tritanomaly

67.6702, 0.2723, 0.3289

Monochromacy



Original Color

67.8389, 0.2848, 0.3687



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.0488, 0.3020, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8389, 0.2848, 0.3687 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(157, 230, 198)` looks like.

```
.text, #text, p{  
    color:rgb(157, 230, 198)  
}
```

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(157, 230, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 230, 198) }
```

Border

The CSS property to change the border of an element to Yxy 67.8389, 0.2848, 0.3687 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(157, 230, 198) }
```

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

```
.border{ border-color:rgb(157, 230, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 230, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 230, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 230, 198);  
box-shadow:4px 4px 4px 4px rgb(157, 230,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8389, 0.2848, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 230, 198) }
```

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

```
.background{ background-color: rgb(157,  
230, 198) }
```

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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