

Converting Colors

$Yxy(69.7638, 0.2873, 0.3799)$

Have a look what the booklet for
Yxy(69.7638, 0.2873, 0.3799)
contains.

Yxy(69.7638, 0.2873, 0.3799)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.7638, 0.2873, 0.3799)

Conversions

Conversions Part 1

Format	Color
Hex	9CEAC1
RGB	156, 234, 193
RGB Percent	61%, 92%, 76%
CMY	0.3881, 0.0823, 0.2433
CMYK	0.33, 0.00, 0.18, 0.08
HSL	148°, 65%, 76%
HSV	148°, 33%, 92%
XYZ	52.7590, 69.7638, 61.1145
YIQ	206.0040, -33.3270, -29.2870

Conversions

Conversions Part 2

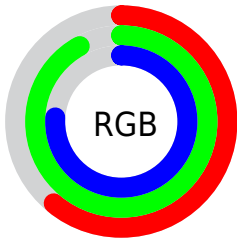
Format	Color
R_{YB}	156, 209, 234
Decimal	10283713
CIE _{Lab}	86.88, -32.53, 12.40
CIE _{LCh}	87, 34.817, 159.131
Yxy	69.7638, 0.2873, 0.3799
Android (android.graphics.Color)	4288473793 (0xFF9CEAC1)
YUV	206.0040, -6.4110, -43.8535
Hunter-Lab	83.5247, -33.4175, 15.0852

Details

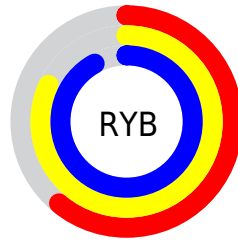
The Yxy color **69.7638, 0.2873, 0.3799** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.3135, 0.3497, 0.2834**, and the grayscale version is **61.7854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3566, 0.2903, 0.3351**, and **36.5297, 0.2811, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **67.1254, 0.2810, 0.3985**, and if you desaturate by 10%, it is **72.9034, 0.2944, 0.3628**.

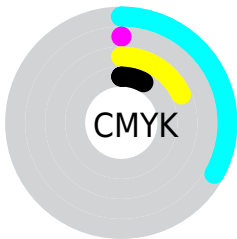
Distribution



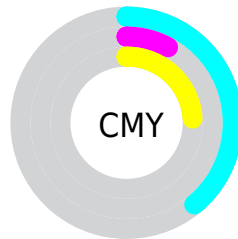
- Red (61%)
- Green (92%)
- Blue (76%)



- Red (61%)
- Yellow (82%)
- Blue (92%)



- Cyan (33%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)





- Cyan (39%)
- Magenta (8%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7638, 0.2873, 0.3799 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 69.7638, 0.2873, 0.3799 by changing the saturation by 10% instead.

 69.7638, 0.2873,
0.3799


 69.7638, 0.2873,
0.3799

459.7202, 0.2996,
0.3553

 51.3340, 0.2844,
0.3858


 118.8719, 0.2917,
0.3711

 36.4745, 0.2807,
0.3932


 150.3189, 0.2933,
0.3678

 24.8009, 0.2759,
0.4029


186.8738, 0.2947,
0.3649

 15.9288, 0.2694,
0.4160

228.9210, 0.2960,
0.3625

 9.4738, 0.2602,
0.4346

276.8448, 0.2970,
0.3603

 5.0515, 0.2462,
0.4631


331.0297, 0.2980,

 2.2775, 0.2225,


0.3584


0.5118


391.8600, 0.2988,
0.3568


 0.7618, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.7638, 0.2873,
0.3799


 69.7638, 0.2873,
0.3799


 67.1254, 0.2810,
0.3985


 72.9034, 0.2944,
0.3628

 64.9525, 0.2760,
0.4183


 76.5606, 0.3021,
0.3472


 63.2184, 0.2724,
0.4388


 80.7613, 0.3100,
0.3333

 61.8898, 0.2707,
0.4597


 85.5274, 0.3181,
0.3209

 60.9283, 0.2710,
0.4802

 87.2980, 0.3139,
0.3092

 60.2878, 0.2733,
0.4998

 87.3274, 0.3137,
0.3088

 59.9916, 0.2756,
0.5121

Harmonies

Analogous

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



69.7638, 0.3291, 0.4033



69.7638, 0.2873, 0.3799



69.7638, 0.2538, 0.3401

Triad

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



69.7638, 0.2873, 0.3799



69.7638, 0.2570, 0.2605



69.7638, 0.3958, 0.3488

Complementary

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



69.7638, 0.2873, 0.3799



45.3135, 0.3497, 0.2834

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.



69.7638, 0.3740, 0.3145



69.7638, 0.2873, 0.3799



69.7638, 0.2919, 0.2656

Square

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



69.7638, 0.2873, 0.3799



69.7638, 0.2374, 0.2719



69.7638, 0.3350, 0.2850



69.7638, 0.3933, 0.3809

Rectangle

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



69.7638, 0.2873, 0.3799



69.7638, 0.2400, 0.3125



69.7638, 0.3350, 0.2850



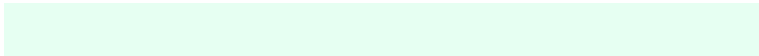
69.7638, 0.3911, 0.3372

Sweetspot

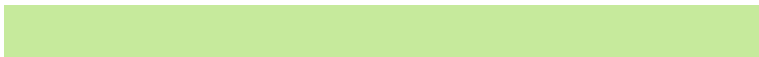
The Sweet Spot groups the original color and five complimentary colors.



69.7667, 0.2873, 0.3799



94.6459, 0.3047, 0.3425



73.2021, 0.3362, 0.4199



20.1088, 0.3036, 0.3445



0.0000, 0.0000, 0.0000



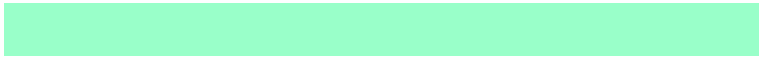
21.4041, 0.3127, 0.3290

Same Dimension

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



69.7667, 0.2873, 0.3799



82.5242, 0.2829, 0.3925



71.7104, 0.2667, 0.3319



16.9810, 0.3051, 0.3417



33.7361, 0.2748, 0.5093



2.6684, 0.2675, 0.4831

Inverse Universe

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



45.3135, 0.3497, 0.2834



48.5320, 0.3603, 0.2739



43.7695, 0.3880, 0.3263



15.1865, 0.3210, 0.3167



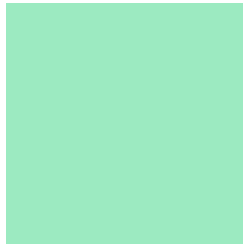
10.6613, 0.4845, 0.2443



0.8566, 0.4556, 0.2284

Previews

White Background



This preview shows how the Yxy color 69.7638, 0.2873, 0.3799 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 69.7638, 0.2873, 0.3799 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

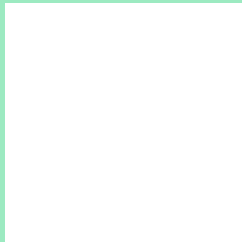
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.7638, 0.2873, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 69.7638, 0.2873, 0.3799.

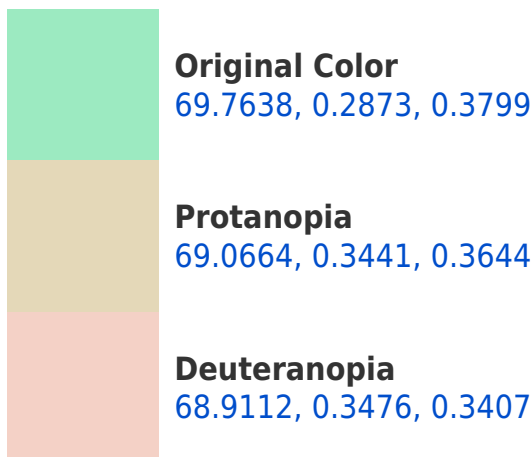


This preview shows how white text looks on a background with the Yxy color 69.7638, 0.2873, 0.3799.

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

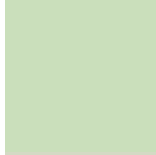
69.7462, 0.2646, 0.3082

Trichromacy



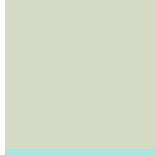
Original Color

69.7638, 0.2873, 0.3799



Protanomaly

68.9198, 0.3214, 0.3709



Deuteranomaly

68.1254, 0.3232, 0.3541



Tritanomaly

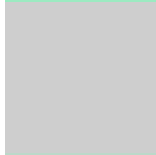
69.8711, 0.2728, 0.3336

Monochromacy



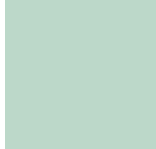
Original Color

69.7638, 0.2873, 0.3799



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.0201, 0.3026, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7638, 0.2873, 0.3799 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(156, 234, 193)` looks like.

```
.text, #text, p{  
    color:rgb(156, 234, 193)  
}
```

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(156, 234, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 234, 193) }
```

Border

The CSS property to change the border of an element to Yxy 69.7638, 0.2873, 0.3799 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(156, 234, 193) }
```

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

```
.border{ border-color:rgb(156, 234, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 234, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 234, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 234, 193);  
box-shadow:4px 4px 4px 4px rgb(156, 234,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7638, 0.2873, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 234, 193) }
```

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

```
.background{ background-color: rgb(156,  
234, 193) }
```

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