

Converting Colors

$Yxy(68.6167, 0.2789, 0.3639)$

Have a look what the booklet for
Yxy(68.6167, 0.2789, 0.3639)
contains.

Yxy(68.7483, 0.2788, 0.3636)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.7483, 0.2788, 0.3636)

Conversions

Conversions Part 1

Format	Color
Hex	98E8CC
RGB	152, 232, 204
RGB Percent	60%, 91%, 80%
CMY	0.4036, 0.0902, 0.2000
CMYK	0.34, 0.00, 0.12, 0.09
HSL	159°, 63%, 75%
HSV	159°, 34%, 91%
XYZ	52.7146, 68.7483, 67.6138
YIQ	204.8880, -38.6920, -25.6680

Conversions

Conversions Part 2

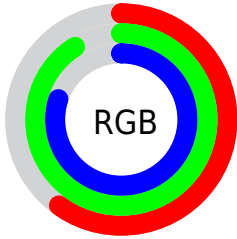
Format	Color
RYB	152, 200, 232
Decimal	10021068
CIELab	86.38, -30.49, 5.89
CIELCh	86, 31.049, 169.072
Yxy	68.7483, 0.2788, 0.3636
Android (android.graphics.Color)	4288211148 (0xFF98E8CC)
YUV	204.8880, -0.4378, -46.3828
Hunter-Lab	82.9146, -31.6156, 9.6914

Details

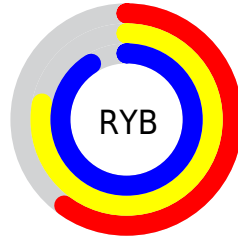
The Yxy color **68.7483, 0.2788, 0.3636** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.9350, 0.3653, 0.2973**, and the grayscale version is **61.0084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **35.7941, 0.2700, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **66.3459, 0.2709, 0.3757**, and if you desaturate by 10%, it is **71.6145, 0.2878, 0.3524**.

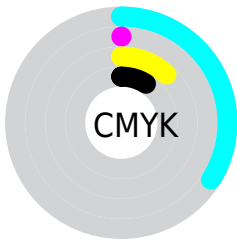
Distribution



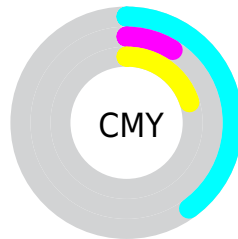
- Red (60%)
- Green (91%)
- Blue (80%)



- Red (60%)
- Yellow (78%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)




- Cyan (40%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7483, 0.2788, 0.3636 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 68.7483, 0.2788, 0.3636 by changing the saturation by 10% instead.

 68.7483, 0.2788,
0.3636

 68.7483, 0.2788,
0.3636


456.1427, 0.2948,
0.3471

 50.5068, 0.2751,
0.3675


 117.4220, 0.2844,
0.3578

 35.8162, 0.2704,
0.3724


 148.6229, 0.2866,
0.3555

 24.2923, 0.2645,
0.3788


184.9125, 0.2884,
0.3536

 15.5506, 0.2565,
0.3873

226.6750, 0.2901,
0.3519

 9.2067, 0.2456,
0.3993

274.2949, 0.2915,
0.3505

 4.8763, 0.2294,
0.4174

328.1565, 0.2927,

 2.1748, 0.2032,

0.3492

0.4478

388.6444, 0.2938,
0.3481

0.7062, 0.0000,
0.6640

0.0000, 0.0000,
0.0000

68.7483, 0.2788,
0.3636

68.7483, 0.2788,
0.3636

66.3459, 0.2709,
0.3757

71.6145, 0.2878,
0.3524

64.3729, 0.2643,
0.3884

74.9600, 0.2977,
0.3421


62.8037, 0.2595,
0.4017


78.8097, 0.3080,
0.3328

61.6059, 0.2567,
0.4153


83.1844, 0.3186,
0.3245


 60.7424, 0.2558,
0.4290

 85.5389, 0.3203,
0.3167

 60.1676, 0.2570,
0.4424

 86.0453, 0.3152,
0.3089

 59.9338, 0.2583,
0.4497

 86.1887, 0.3138,
0.3068

Harmonies

Analogous

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



68.7483, 0.3150, 0.3905



68.7483, 0.2788, 0.3636



68.7483, 0.2526, 0.3267

Triad

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



68.7483, 0.2788, 0.3636



68.7483, 0.2717, 0.2670



68.7483, 0.3889, 0.3574

Complementary

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



68.7483, 0.2788, 0.3636



42.9350, 0.3653, 0.2973

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.



68.7483, 0.3762, 0.3263



68.7483, 0.2788, 0.3636



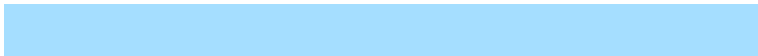
68.7483, 0.3067, 0.2762

Square

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



68.7483, 0.2788, 0.3636



68.7483, 0.2488, 0.2726



68.7483, 0.3454, 0.2974



68.7483, 0.3796, 0.3838

Rectangle

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



68.7483, 0.2788, 0.3636



68.7483, 0.2437, 0.3034



68.7483, 0.3454, 0.2974



68.7483, 0.3871, 0.3472

Sweetspot

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



68.7511, 0.2788, 0.3636



94.9183, 0.3022, 0.3379



69.8481, 0.3274, 0.4261



20.1747, 0.3007, 0.3393



0.0000, 0.0000, 0.0000



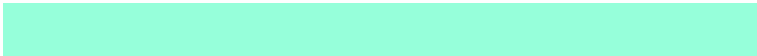
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7511, 0.2788, 0.3636



83.1282, 0.2733, 0.3717



64.3997, 0.2624, 0.3160



16.2461, 0.3028, 0.3374



33.3002, 0.2577, 0.4476



2.4782, 0.2523, 0.4281

Inverse Universe

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



42.9350, 0.3653, 0.2973



46.8078, 0.3804, 0.2910



45.5241, 0.3901, 0.3415



14.4510, 0.3238, 0.3208



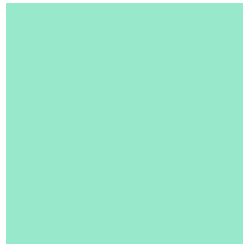
9.8780, 0.5570, 0.2842



0.7470, 0.5163, 0.2618

Previews

White Background



This preview shows how the Yxy color 68.7483, 0.2788, 0.3636 looks on a white background.

Color Contrast Check

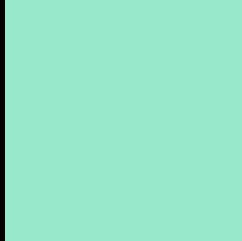
Large Text (above 18pt) WCAG AA × Fail

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 68.7483, 0.2788, 0.3636 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

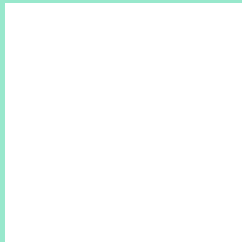
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7483, 0.2788, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 68.7483, 0.2788, 0.3636.

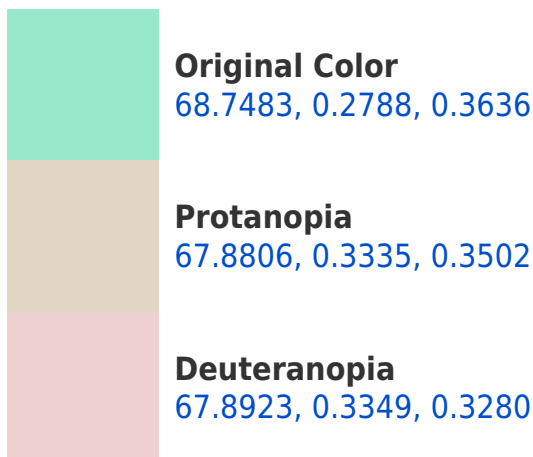


This preview shows how white text looks on a background with the Yxy color 68.7483, 0.2788, 0.3636.

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

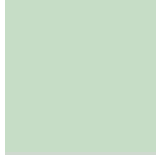
68.5014, 0.2617, 0.3079

Trichromacy



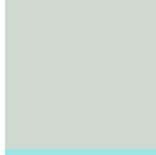
Original Color

68.7483, 0.2788, 0.3636



Protanomaly

67.7959, 0.3115, 0.3558



Deuteranomaly

67.3961, 0.3122, 0.3404



Tritanomaly

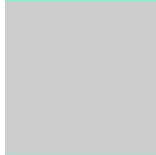
68.4130, 0.2682, 0.3277

Monochromacy



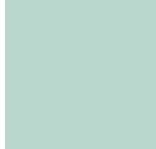
Original Color

68.7483, 0.2788, 0.3636



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.4478, 0.2986, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7483, 0.2788, 0.3636 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(152, 232, 204)` looks like.

```
.text, #text, p{  
    color:rgb(152, 232, 204)  
}
```

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(152, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 232, 204) }
```

Border

The CSS property to change the border of an element to Yxy 68.7483, 0.2788, 0.3636 is called "border". The border property can be set on classes, ids or directly on the HTML element.

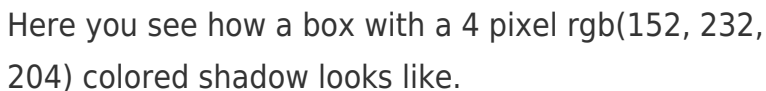
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 232, 204) }
```

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

```
.border{ border-color:rgb(152, 232, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 232, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 232, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 232, 204);  
box-shadow:4px 4px 4px 4px rgb(152, 232,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7483, 0.2788, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 232, 204) }
```

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

```
.background{ background-color: rgb(152,  
232, 204) }
```

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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