

Converting Colors

$Yxy(68.2513, 0.2830, 0.3752)$

Have a look what the booklet for
Yxy(68.2513, 0.2830, 0.3752)
contains.

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Color

Yxy(68.2327, 0.2831, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	97E8C3
RGB	151, 232, 195
RGB Percent	59%, 91%, 76%
CMY	0.4079, 0.0902, 0.2352
CMYK	0.35, 0.00, 0.16, 0.09
HSL	153°, 64%, 75%
HSV	153°, 35%, 91%
XYZ	51.4700, 68.2327, 62.1058
YIQ	203.5630, -36.3990, -28.6790

Conversions

Conversions Part 2

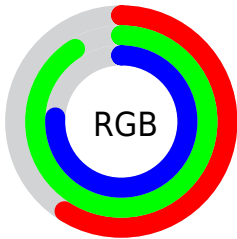
Format	Color
RYB	151, 203, 232
Decimal	9955523
CIELab	86.12, -32.64, 10.21
CIELCh	86, 34.199, 162.631
Yxy	68.2327, 0.2831, 0.3753
Android (android.graphics.Color)	4288145603 (0xFF97E8C3)
YUV	203.5630, -4.2216, -46.0978
Hunter-Lab	82.6031, -33.3321, 13.2445

Details

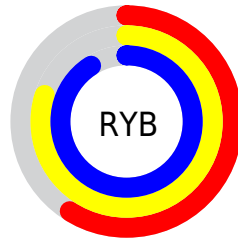
The Yxy color **68.2327, 0.2831, 0.3753** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.9141, 0.3577, 0.2873**, and the grayscale version is **60.1385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8137, 0.2859, 0.3320**, and **35.5151, 0.2761, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **65.7679, 0.2763, 0.3914**, and if you desaturate by 10%, it is **71.1738, 0.2909, 0.3604**.

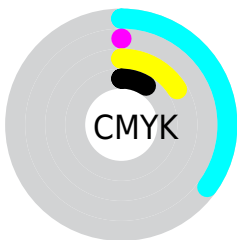
Distribution



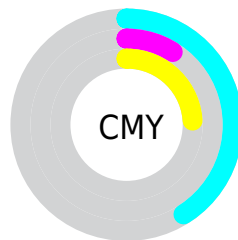
- Red (59%)
- Green (91%)
- Blue (76%)



- Red (59%)
- Yellow (80%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)




- Cyan (41%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2327, 0.2831, 0.3753 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 68.2327, 0.2831, 0.3753 by changing the saturation by 10% instead.


 68.2327, 0.2831,
0.3753

 68.2327, 0.2831,
0.3753


454.3200, 0.2973,
0.3529

 50.0871, 0.2797,
0.3807


 116.6850, 0.2881,
0.3673

 35.4826, 0.2755,
0.3875


 147.7604, 0.2901,
0.3643

 24.0349, 0.2700,
0.3963


183.9146, 0.2917,
0.3617

 15.3595, 0.2627,
0.4082

225.5318, 0.2931,
0.3594

 9.0721, 0.2524,
0.4252

272.9966, 0.2944,
0.3575

 4.7882, 0.2367,
0.4513

326.6933, 0.2955,

 2.1235, 0.2106,

0.3558

0.4962

387.0063, 0.2964,
0.3543

0.6778, 0.0000,
0.9654

0.0000, 0.0000,
0.0000

68.2327, 0.2831,
0.3753

68.2327, 0.2831,
0.3753

65.7679, 0.2763,
0.3914

71.1738, 0.2909,
0.3604

63.7446, 0.2708,
0.4085


74.6071, 0.2994,
0.3468


62.1364, 0.2670,
0.4262

78.5580, 0.3083,
0.3345


60.9105, 0.2651,
0.4443


83.0478, 0.3173,
0.3236

 60.0289, 0.2652,
0.4622

 85.7513, 0.3182,
0.3135

 59.4451, 0.2673,
0.4795

 86.1960, 0.3138,
0.3068

 59.2258, 0.2689,
0.4880

Harmonies

Analogous

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



68.2327, 0.3241, 0.4010



68.2327, 0.2831, 0.3753



68.2327, 0.2514, 0.3351

Triad

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



68.2327, 0.2831, 0.3753



68.2327, 0.2609, 0.2609



68.2327, 0.3959, 0.3526

Complementary

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



68.2327, 0.2831, 0.3753



42.9141, 0.3577, 0.2873

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.



68.2327, 0.3770, 0.3185



68.2327, 0.2831, 0.3753



68.2327, 0.2969, 0.2678

Square

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



68.2327, 0.2831, 0.3753



68.2327, 0.2395, 0.2703



68.2327, 0.3397, 0.2884



68.2327, 0.3906, 0.3836

Rectangle

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



68.2327, 0.2831, 0.3753



68.2327, 0.2392, 0.3083



68.2327, 0.3397, 0.2884



68.2327, 0.3922, 0.3412

Sweetspot

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



68.2355, 0.2831, 0.3753



94.7534, 0.3037, 0.3407



70.7424, 0.3333, 0.4258



20.1348, 0.3024, 0.3424



0.0000, 0.0000, 0.0000



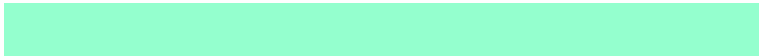
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2355, 0.2831, 0.3753



82.2690, 0.2780, 0.3869



68.6115, 0.2631, 0.3256



16.2196, 0.3042, 0.3399



32.9040, 0.2682, 0.4853



2.4502, 0.2612, 0.4604

Inverse Universe

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



42.9141, 0.3577, 0.2873



46.4293, 0.3712, 0.2785



42.3982, 0.3948, 0.3324



14.4768, 0.3221, 0.3183



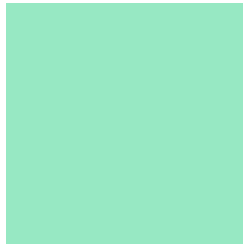
10.1252, 0.5138, 0.2604



0.7668, 0.4785, 0.2410

Previews

White Background



This preview shows how the Yxy color 68.2327, 0.2831, 0.3753 looks on a white background.

Color Contrast Check

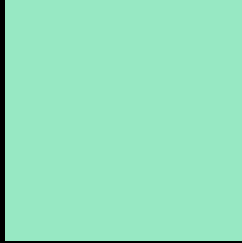
Large Text (above 18pt) WCAG AA × Fail

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 68.2327, 0.2831, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

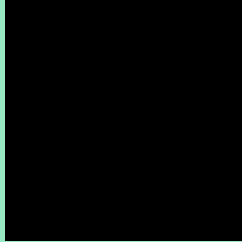
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

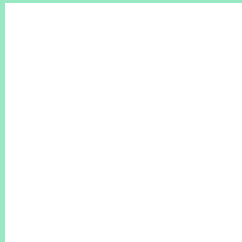
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2327, 0.2831, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 68.2327, 0.2831, 0.3753.

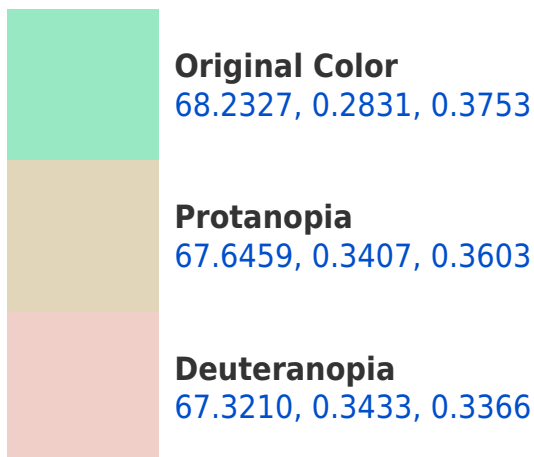


This preview shows how white text looks on a background with the Yxy color 68.2327, 0.2831, 0.3753.

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

68.0029, 0.2626, 0.3079

Trichromacy



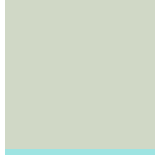
Original Color

68.2327, 0.2831, 0.3753



Protanomaly

67.3928, 0.3174, 0.3667



Deuteranomaly

66.5988, 0.3191, 0.3497



Tritanomaly

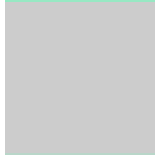
68.2469, 0.2697, 0.3313

Monochromacy



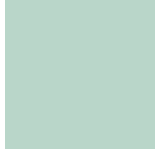
Original Color

68.2327, 0.2831, 0.3753



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.6245, 0.3005, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2327, 0.2831, 0.3753 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(151, 232, 195)` looks like.

```
.text, #text, p{  
    color:rgb(151, 232, 195)  
}
```

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(151, 232, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 232, 195) }
```

Border

The CSS property to change the border of an element to Yxy 68.2327, 0.2831, 0.3753 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(151, 232, 195) }
```

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

```
.border{ border-color:rgb(151, 232, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 232, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 232, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 232, 195);  
box-shadow:4px 4px 4px 4px rgb(151, 232,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2327, 0.2831, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 232, 195) }
```

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

```
.background{ background-color: rgb(151,  
232, 195) }
```

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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