

Converting Colors

$Yxy(68.6929, 0.2852, 0.3815)$

Have a look what the booklet for
Yxy(68.6929, 0.2852, 0.3815)
contains.

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Color

Yxy(68.6187, 0.2854, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	97E9BF
RGB	151, 233, 191
RGB Percent	59%, 91%, 75%
CMY	0.4079, 0.0863, 0.2509
CMYK	0.35, 0.00, 0.18, 0.09
HSL	149°, 65%, 75%
HSV	149°, 35%, 91%
XYZ	51.3067, 68.6187, 59.8459
YIQ	203.6940, -35.3900, -30.4460

Conversions

Conversions Part 2

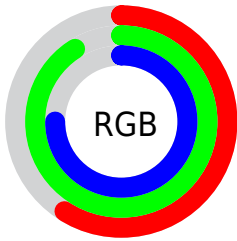
Format	Color
RYB	151, 206, 233
Decimal	9955775
CIELab	86.31, -33.90, 12.58
CIELCh	86, 36.157, 159.644
Yxy	68.6187, 0.2854, 0.3817
Android (android.graphics.Color)	4288145855 (0xFF97E9BF)
YUV	203.6940, -6.2581, -46.2126
Hunter-Lab	82.8364, -34.4054, 15.1509

Details

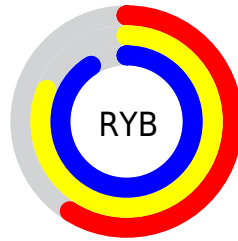
The Yxy color **68.6187, 0.2854, 0.3817** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.3049, 0.3536, 0.2821**, and the grayscale version is **60.2391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5008, 0.2885, 0.3373**, and **35.7661, 0.2776, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **66.1042, 0.2792, 0.4000**, and if you desaturate by 10%, it is **71.6221, 0.2926, 0.3648**.

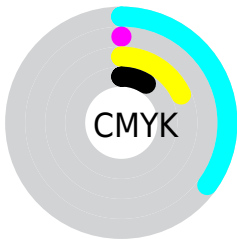
Distribution



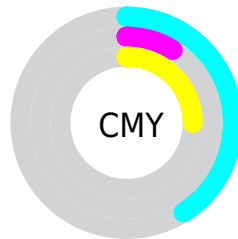
- Red (59%)
- Green (91%)
- Blue (75%)



- Red (59%)
- Yellow (81%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (18%)
- Black (9%)





- Cyan (41%)
- Magenta (9%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6187, 0.2854, 0.3817 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 68.6187, 0.2854, 0.3817 by changing the saturation by 10% instead.

 68.6187, 0.2854,
0.3817


 68.6187, 0.2854,
0.3817


455.6850, 0.2986,
0.3561

 50.4012, 0.2822,
0.3879


 117.2368, 0.2901,
0.3726

 35.7323, 0.2782,
0.3956


 148.4062, 0.2919,
0.3691

 24.2275, 0.2730,
0.4058


184.6618, 0.2934,
0.3661

 15.5025, 0.2660,
0.4195


226.3878, 0.2948,
0.3636

 9.1728, 0.2561,
0.4392

273.9688, 0.2959,
0.3613

 4.8541, 0.2408,
0.4695

327.7890, 0.2969,

 2.1619, 0.2148,

0.3594

0.5216

388.2330, 0.2978,
0.3577

0.6991, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.6187, 0.2854,
0.3817

68.6187, 0.2854,
0.3817

66.1042, 0.2792,
0.4000

71.6221, 0.2926,
0.3648

64.0431, 0.2743,
0.4193


75.1309, 0.3003,
0.3494


62.4083, 0.2709,
0.4394

79.1711, 0.3084,
0.3356

61.1662, 0.2695,
0.4597


83.7644, 0.3167,
0.3233

 60.2779, 0.2701,
0.4796

 86.4834, 0.3164,
0.3119

 59.6956, 0.2726,
0.4986

 86.7598, 0.3137,
0.3078

 59.4889, 0.2742,
0.5072

Harmonies

Analogous

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



68.6187, 0.3289, 0.4066



68.6187, 0.2854, 0.3817



68.6187, 0.2508, 0.3398

Triad

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



68.6187, 0.2854, 0.3817



68.6187, 0.2551, 0.2576



68.6187, 0.3997, 0.3500

Complementary

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



68.6187, 0.2854, 0.3817



43.3049, 0.3536, 0.2821

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.



68.6187, 0.3773, 0.3144



68.6187, 0.2854, 0.3817



68.6187, 0.2916, 0.2633

Square

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



68.6187, 0.2854, 0.3817



68.6187, 0.2345, 0.2691



68.6187, 0.3367, 0.2836



68.6187, 0.3965, 0.3834

Rectangle

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



68.6187, 0.2854, 0.3817



68.6187, 0.2368, 0.3109



68.6187, 0.3367, 0.2836



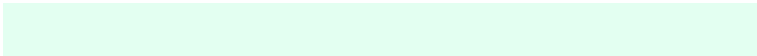
68.6187, 0.3949, 0.3380

Sweetspot

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



68.6215, 0.2854, 0.3817



94.1723, 0.3037, 0.3435



71.8997, 0.3364, 0.4258



20.0152, 0.3026, 0.3454



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.



68.6215, 0.2854, 0.3817



81.9852, 0.2809, 0.3944



70.6643, 0.2638, 0.3305



16.9847, 0.3049, 0.3413



33.7790, 0.2735, 0.5045



2.6719, 0.2663, 0.4787

Inverse Universe

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



43.3049, 0.3536, 0.2821



46.7068, 0.3652, 0.2726



41.7348, 0.3955, 0.3277



15.1828, 0.3213, 0.3170



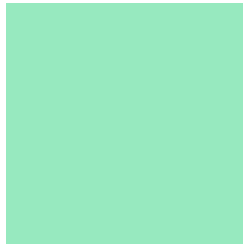
10.6143, 0.4906, 0.2476



0.8529, 0.4607, 0.2312

Previews

White Background



This preview shows how the Yxy color 68.6187, 0.2854, 0.3817 looks on a white background.

Color Contrast Check

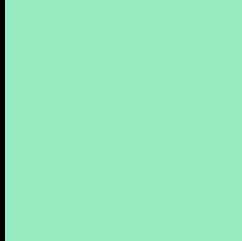
Large Text (above 18pt) WCAG AA × Fail

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 68.6187, 0.2854, 0.3817 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

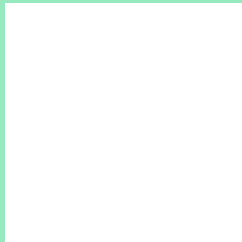
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6187, 0.2854, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 68.6187, 0.2854, 0.3817.

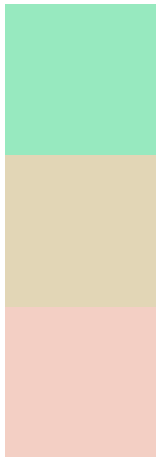


This preview shows how white text looks on a background with the Yxy color 68.6187, 0.2854, 0.3817.

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

68.6187, 0.2854, 0.3817

Protanopia

67.6393, 0.3443, 0.3648

Deuteranopia

67.6659, 0.3487, 0.3408



Tritanopia

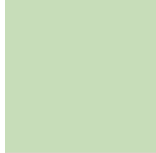
68.7109, 0.2628, 0.3080

Trichromacy



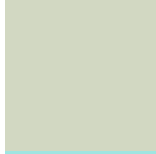
Original Color

68.6187, 0.2854, 0.3817



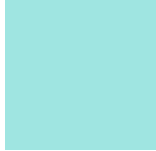
Protanomaly

67.3578, 0.3207, 0.3714



Deuteranomaly

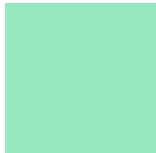
66.7084, 0.3233, 0.3543



Tritanomaly

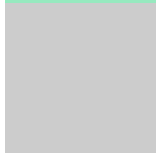
68.8458, 0.2710, 0.3337

Monochromacy



Original Color

68.6187, 0.2854, 0.3817



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.0387, 0.3018, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6187, 0.2854, 0.3817 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, 233, 191)` looks like.

```
.text, #text, p{  
    color:rgb(151, 233, 191)  
}
```

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, 233, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 233, 191) }
```

Border

The CSS property to change the border of an element to Yxy 68.6187, 0.2854, 0.3817 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, 233, 191) }
```

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

```
.border{ border-color:rgb(151, 233, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 233, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 233, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 233, 191); box-shadow:4px 4px 4px 4px rgb(151, 233, 191) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6187, 0.2854, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 233, 191) }
```

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

```
.background{ background-color: rgb(151,  
233, 191) }
```

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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