

Converting Colors

$Yxy(68.6976, 0.3262, 0.4153)$

Have a look what the booklet for
Yxy(68.6976, 0.3262, 0.4153)
contains.

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Color

Yxy(68.6976, 0.3262, 0.4153)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B8E59E |
| RGB | 184, 229, 158 |
| RGB Percent | 72%, 90%, 62% |
| CMY | 0.2784, 0.1019, 0.3804 |
| CMYK | 0.20, 0.00, 0.31, 0.10 |
| HSL | 98°, 58%, 76% |
| HSV | 98°, 31%, 90% |
| XYZ | 53.9590, 68.6976, 42.7602 |
| YIQ | 207.4510, -4.0290, -31.6210 |

Conversions

Conversions Part 2

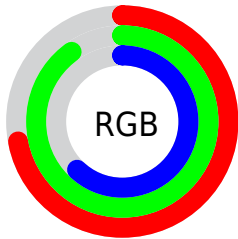
| Format | Color |
|-------------------------------------|--|
| RYB | 158, 229, 203 |
| Decimal | 12117406 |
| CIELab | 86.35, -27.17, 30.01 |
| CIELCh | 86, 40.483, 132.156 |
| Yxy | 68.6976, 0.3262, 0.4153 |
| Android (android.graphics.Color) | 4290307486 (0xFFB8E59E) |
| YUV | 207.4510, -24.3793, -20.5665 |
| Hunter-Lab | 82.8840, -28.8404, 27.4308 |

Details

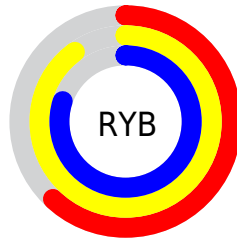
The Yxy color **68.6976, 0.3262, 0.4153** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.8042, 0.2939, 0.2467**, and the grayscale version is **62.8675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0249, 0.3284, 0.3713**, and **35.6736, 0.3281, 0.4375** is the 20% darker color. If you saturate the color by 10%, you get **66.2828, 0.3295, 0.4469**, and if you desaturate by 10%, it is **71.4491, 0.3222, 0.3851**.

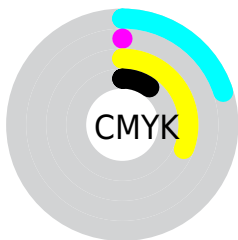
Distribution



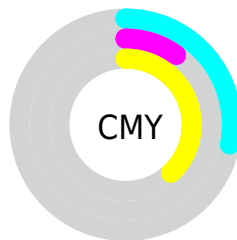
- Red (72%)
- Green (90%)
- Blue (62%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)





- Cyan (28%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6976, 0.3262, 0.4153 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 68.6976, 0.3262, 0.4153 by changing the saturation by 10% instead.


 68.6976, 0.3262,
0.4153

 68.6976, 0.3262,
0.4153


455.9637, 0.3210,
0.3732

 50.4655, 0.3271,
0.4254


 117.3496, 0.3246,
0.4003

 35.7834, 0.3279,
0.4381


 148.5382, 0.3240,
0.3946

 24.2669, 0.3287,
0.4546


184.8144, 0.3234,
0.3897

 15.5318, 0.3290,
0.4766

226.5627, 0.3228,
0.3855

 9.1934, 0.3282,
0.5074

274.1673, 0.3223,
0.3819

 4.8676, 0.3241,
0.5529


328.0128, 0.3218,

 2.1698, 0.3316,


0.3786


0.6684


388.4834, 0.3214,
0.3758

 0.7034, 0.0075,
0.9925


 0.0000, 0.0000,
0.0000


 68.6976, 0.3262,
0.4153


 68.6976, 0.3262,
0.4153


 66.2828, 0.3295,
0.4469

 71.4491, 0.3222,
0.3851


 64.1822, 0.3317,
0.4787

 74.5412, 0.3178,
0.3570

 62.3838, 0.3324,
0.5091

 77.9890, 0.3132,
0.3314

 60.8717, 0.3315,
0.5365

 81.8039, 0.3086,
0.3084

■ 59.6279, 0.3288,
0.5588

■ 84.5207, 0.3139,
0.3039

■ 58.6317, 0.3244,
0.5750

■ 57.9207, 0.3196,
0.5845

Harmonies

Analogous

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



68.6976, 0.3728, 0.4158



68.6976, 0.3262, 0.4153



68.6976, 0.2782, 0.3850

Triad

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



68.6976, 0.3262, 0.4153



68.6976, 0.2271, 0.2603



68.6976, 0.3882, 0.3156

Complementary

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



68.6976, 0.3262, 0.4153



42.8042, 0.2939, 0.2467

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.



68.6976, 0.3435, 0.2811



68.6976, 0.3262, 0.4153



68.6976, 0.2514, 0.2497

Square

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



68.6976, 0.3262, 0.4153



68.6976, 0.2235, 0.2905



68.6976, 0.2930, 0.2576



68.6976, 0.4110, 0.3550

Rectangle

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



68.6976, 0.3262, 0.4153



68.6976, 0.2517, 0.3534



68.6976, 0.2930, 0.2576



68.6976, 0.3750, 0.3033

Sweetspot

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



68.7006, 0.3262, 0.4153



95.9545, 0.3169, 0.3518



61.8233, 0.3676, 0.3798



20.4058, 0.3176, 0.3557



0.0000, 0.0000, 0.0000



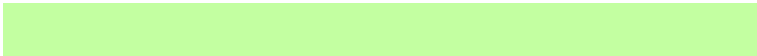
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7006, 0.3262, 0.4153



85.7117, 0.3283, 0.4348



66.1164, 0.3029, 0.4076



16.3449, 0.3171, 0.3529



33.1774, 0.3206, 0.5836



2.5029, 0.3320, 0.5746

Inverse Universe

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



42.8042, 0.2939, 0.2467



47.8711, 0.2890, 0.2291



46.2532, 0.3244, 0.2614



14.3375, 0.3080, 0.3054



6.7522, 0.2309, 0.1046



0.5512, 0.2441, 0.1118

Previews

White Background



This preview shows how the Yxy color 68.6976, 0.3262, 0.4153 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 68.6976, 0.3262, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

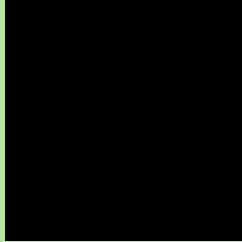
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6976, 0.3262, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 68.6976, 0.3262, 0.4153.



This preview shows how white text looks on a background with the Yxy color 68.6976, 0.3262, 0.4153.

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

68.6976, 0.3262, 0.4153

Protanopia

68.0237, 0.3704, 0.3983

Deuteranopia

68.3408, 0.3829, 0.3749



Tritanopia

68.4549, 0.2862, 0.3099

Trichromacy



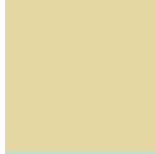
Original Color

68.6976, 0.3262, 0.4153



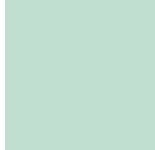
Protanomaly

67.9666, 0.3539, 0.4046



Deuteranomaly

67.8321, 0.3616, 0.3890



Tritanomaly

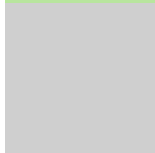
68.5359, 0.3008, 0.3465

Monochromacy



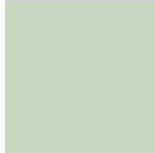
Original Color

68.6976, 0.3262, 0.4153



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.4171, 0.3186, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6976, 0.3262, 0.4153 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(184, 229, 158)` looks like.

```
.text, #text, p{  
    color:rgb(184, 229, 158)  
}
```

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(184, 229, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 229, 158) }
```

Border

The CSS property to change the border of an element to Yxy 68.6976, 0.3262, 0.4153 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(184, 229, 158) }
```

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

```
.border{ border-color:rgb(184, 229, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 229, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 229, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 229, 158);  
box-shadow:4px 4px 4px 4px rgb(184, 229,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6976, 0.3262, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 229, 158) }
```

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

```
.background{ background-color: rgb(184,  
229, 158) }
```

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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