

Converting Colors

$Yxy(64.0367, 0.3179, 0.4517)$

Have a look what the booklet for
Yxy(64.0367, 0.3179, 0.4517)
contains.

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Color

Yxy(63.8834, 0.3182, 0.4518)

Conversions

Conversions Part 1

Format	Color
Hex	98E486
RGB	152, 228, 134
RGB Percent	60%, 89%, 53%
CMY	0.4040, 0.1058, 0.4744
CMYK	0.33, 0.00, 0.41, 0.11
HSL	109°, 64%, 71%
HSV	109°, 41%, 89%
XYZ	44.9927, 63.8834, 32.5214
YIQ	194.5600, -15.1220, -45.3460

Conversions

Conversions Part 2

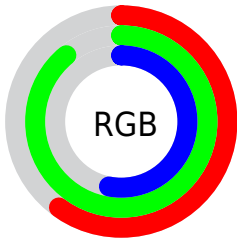
Format	Color
RYB	134, 228, 210
Decimal	10019974
CIELab	83.91, -40.95, 38.56
CIElCh	84, 56.246, 136.721
Yxy	63.8834, 0.3182, 0.4518
Android (android.graphics.Color)	4288210054 (0xFF98E486)
YUV	194.5600, -29.8561, -37.3251
Hunter-Lab	79.9271, -39.3909, 31.8245

Details

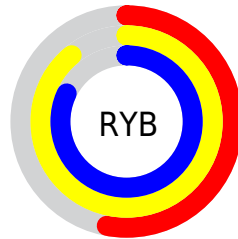
The Yxy color **63.8834, 0.3182, 0.4518** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.3691, 0.3008, 0.2227**, and the grayscale version is **54.4844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7061, 0.3222, 0.4018**, and **32.6710, 0.3157, 0.4856** is the 20% darker color. If you saturate the color by 10%, you get **61.6736, 0.3181, 0.4859**, and if you desaturate by 10%, it is **66.5126, 0.3175, 0.4183**.

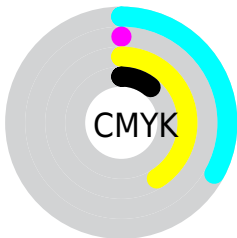
Distribution



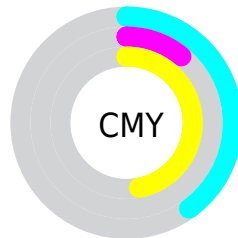
- Red (60%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (82%)



- Cyan (33%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (40%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8834, 0.3182, 0.4518 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 63.8834, 0.3182, 0.4518 by changing the saturation by 10% instead.


 63.8834, 0.3182,
0.4518


 63.8834, 0.3182,
0.4518


438.7685, 0.3180,
0.3902


 46.5562, 0.3175,
0.4670

 110.4430, 0.3187,
0.4295

 32.6850, 0.3161,
0.4862

 140.4442, 0.3187,
0.4211

 21.8852, 0.3136,
0.5113


 175.4389, 0.3187,
0.4140

 13.7726, 0.3087,
0.5452

215.8115, 0.3186,
0.4079

 7.9627, 0.2989,
0.5926

261.9464, 0.3184,
0.4026

 4.0711, 0.2868,
0.6821

314.2279, 0.3183,

 1.7134, 0.2129,

0.3980

0.7871

373.0404, 0.3181,
0.3939

0.4323, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.8834, 0.3182,
0.4518

63.8834, 0.3182,
0.4518

61.6736, 0.3181,
0.4859

66.5126, 0.3175,
0.4183

59.8533, 0.3172,
0.5186

69.5731, 0.3163,
0.3868


58.4016, 0.3153,
0.5478


73.0863, 0.3147,
0.3579

57.2922, 0.3124,
0.5712

77.0698, 0.3129,
0.3320

 56.4946, 0.3089,
0.5872

 81.5403, 0.3111,
0.3090

 56.0169, 0.3058,
0.5954

 83.9714, 0.3139,
0.3029

Harmonies

Analogous

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



63.8834, 0.3850, 0.4544



63.8834, 0.3182, 0.4518



63.8834, 0.2535, 0.4010

Triad

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



63.8834, 0.3182, 0.4518



63.8834, 0.1990, 0.2294



63.8834, 0.4279, 0.3161

Complementary

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



63.8834, 0.3182, 0.4518



36.3691, 0.3008, 0.2227

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.



63.8834, 0.3665, 0.2693



63.8834, 0.3182, 0.4518



63.8834, 0.2346, 0.2210

Square

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



63.8834, 0.3182, 0.4518



63.8834, 0.1897, 0.2644



63.8834, 0.2941, 0.2356



63.8834, 0.4534, 0.3688

Rectangle

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



63.8834, 0.3182, 0.4518



63.8834, 0.2202, 0.3515



63.8834, 0.2941, 0.2356



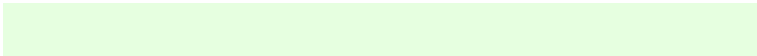
63.8834, 0.4104, 0.2995

Sweetspot

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



63.8861, 0.3182, 0.4518



93.7869, 0.3149, 0.3602



63.9221, 0.3820, 0.4128



19.9410, 0.3151, 0.3639



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.



63.8861, 0.3182, 0.4518



79.9945, 0.3182, 0.4794



63.1782, 0.2913, 0.4171



16.2209, 0.3144, 0.3531



32.3817, 0.3065, 0.5949



2.4305, 0.3157, 0.5876

Inverse Universe

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



36.3691, 0.3008, 0.2227



40.2104, 0.2974, 0.2026



37.7136, 0.3447, 0.2552



14.4689, 0.3107, 0.3056



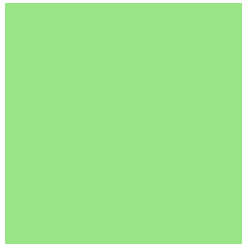
9.2008, 0.2731, 0.1278



0.7158, 0.2805, 0.1319

Previews

White Background



This preview shows how the Yxy color 63.8834, 0.3182, 0.4518 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 63.8834, 0.3182, 0.4518 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 63.8834, 0.3182, 0.4518

Background



This preview shows how black text looks on a background with the Yxy color 63.8834, 0.3182, 0.4518.

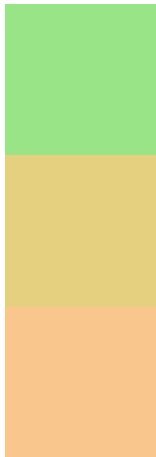


This preview shows how white text looks on a background with the Yxy color 63.8834, 0.3182, 0.4518.

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

63.8834, 0.3182, 0.4518

Protanopia

63.1121, 0.3881, 0.4200

Deuteranopia

62.9097, 0.3990, 0.3904



Tritanopia

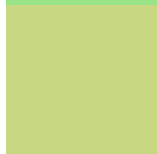
63.4873, 0.2702, 0.3076

Trichromacy



Original Color

63.8834, 0.3182, 0.4518



Protanomaly

62.4652, 0.3601, 0.4319



Deuteranomaly

62.2243, 0.3673, 0.4128



Tritanomaly

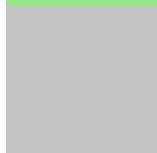
63.0501, 0.2878, 0.3565

Monochromacy



Original Color

63.8834, 0.3182, 0.4518



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.2265, 0.3152, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8834, 0.3182, 0.4518 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, 228, 134)` looks like.

```
.text, #text, p{  
    color:rgb(152, 228, 134)  
}
```

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, 228, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 228, 134) }
```

Border

The CSS property to change the border of an element to Yxy 63.8834, 0.3182, 0.4518 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, 228, 134) }
```

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

```
.border{ border-color:rgb(152, 228, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 228, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 228, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 228, 134);  
box-shadow:4px 4px 4px 4px rgb(152, 228,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8834, 0.3182, 0.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 228, 134) }
```

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

```
.background{ background-color: rgb(152,  
228, 134) }
```

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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