

Converting Colors

$Yxy(64.5250, 0.3013, 0.3872)$

Have a look what the booklet for
Yxy(64.5250, 0.3013, 0.3872)
contains.

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Color

Yxy(64.5250, 0.3013, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	A5E0B2
RGB	165, 224, 178
RGB Percent	65%, 88%, 70%
CMY	0.3528, 0.1216, 0.3021
CMYK	0.26, 0.00, 0.21, 0.12
HSL	133°, 49%, 76%
HSV	133°, 26%, 88%
XYZ	50.2102, 64.5250, 51.9100
YIQ	201.1150, -20.3980, -26.8140

Conversions

Conversions Part 2

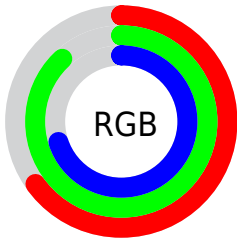
Format	Color
RYB	165, 213, 224
Decimal	10870962
CIELab	84.24, -27.87, 16.58
CIELCh	84, 32.431, 149.245
Yxy	64.5250, 0.3013, 0.3872
Android (android.graphics.Color)	4289061042 (0xFFA5E0B2)
YUV	201.1150, -11.3957, -31.6729
Hunter-Lab	80.3275, -28.9983, 17.9143

Details

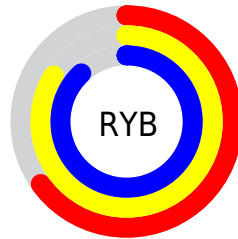
The Yxy color **64.5250, 0.3013, 0.3872** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.4747, 0.3267, 0.2771**, and the grayscale version is **58.5685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8327, 0.3038, 0.3506**, and **32.9307, 0.2982, 0.4026** is the 20% darker color. If you saturate the color by 10%, you get **61.6738, 0.2973, 0.4138**, and if you desaturate by 10%, it is **67.8919, 0.3056, 0.3630**.

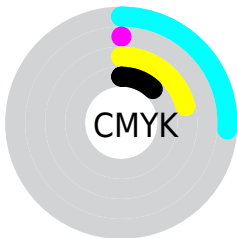
Distribution



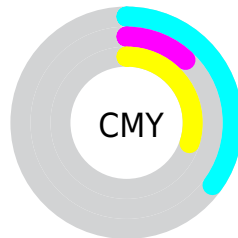
- Red (65%)
- Green (88%)
- Blue (70%)



- Red (65%)
- Yellow (84%)
- Blue (88%)



- Cyan (26%)
- Magenta (0%)
- Yellow (21%)
- Black (12%)





- Cyan (35%)
- Magenta (12%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5250, 0.3013, 0.3872 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 64.5250, 0.3013, 0.3872 by changing the saturation by 10% instead.


 64.5250, 0.3013,
0.3872

 64.5250, 0.3013,
0.3872


441.0831, 0.3072,
0.3586

 47.0760, 0.2998,
0.3942

 111.3667, 0.3035,
0.3769

 33.0958, 0.2977,
0.4031


 141.5282, 0.3043,
0.3730

 22.1998, 0.2950,
0.4147


176.6959, 0.3050,
0.3697

 14.0038, 0.2911,
0.4306

217.2544, 0.3056,
0.3669

 8.1233, 0.2852,
0.4537

263.5880, 0.3061,
0.3644

 4.1739, 0.2752,
0.4898

316.0810, 0.3065,

 1.7713, 0.2600,

0.3622

0.5630

375.1179, 0.3069,
0.3603

0.4692, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.5250, 0.3013,
0.3872

64.5250, 0.3013,
0.3872

61.6738, 0.2973,
0.4138

67.8919, 0.3056,
0.3630

59.3047, 0.2939,
0.4424

71.7898, 0.3100,
0.3414

57.3931, 0.2912,
0.4720

76.2435, 0.3143,
0.3223

55.9086, 0.2897,
0.5015

81.2738, 0.3185,
0.3056

■ 54.8173, 0.2895,
0.5291

■ 81.7922, 0.3141,
0.2989

■ 54.0795, 0.2907,
0.5533

■ 53.6466, 0.2931,
0.5725

■ 53.5352, 0.2940,
0.5783

Harmonies

Analogous

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



64.5250, 0.3417, 0.4022



64.5250, 0.3013, 0.3872



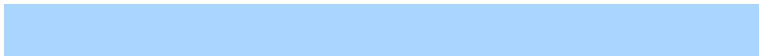
64.5250, 0.2655, 0.3530

Triad

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



64.5250, 0.3013, 0.3872



64.5250, 0.2513, 0.2651



64.5250, 0.3877, 0.3372

Complementary

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



64.5250, 0.3013, 0.3872



47.4747, 0.3267, 0.2771

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.



64.5250, 0.3603, 0.3051



64.5250, 0.3013, 0.3872



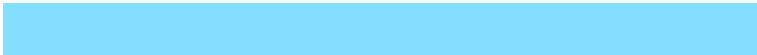
64.5250, 0.2805, 0.2649

Square

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



64.5250, 0.3013, 0.3872



64.5250, 0.2381, 0.2817



64.5250, 0.3203, 0.2793



64.5250, 0.3932, 0.3695

Rectangle

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



64.5250, 0.3013, 0.3872



64.5250, 0.2487, 0.3262



64.5250, 0.3203, 0.2793



64.5250, 0.3807, 0.3261

Sweetspot

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



64.5277, 0.3013, 0.3872



95.3506, 0.3092, 0.3449



69.9119, 0.3426, 0.3967



20.2334, 0.3085, 0.3481



0.0000, 0.0000, 0.0000



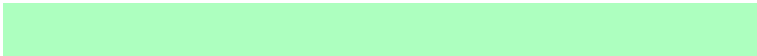
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5277, 0.3013, 0.3872



84.2249, 0.2989, 0.4027



65.8340, 0.2838, 0.3494



15.3862, 0.3086, 0.3478



31.1749, 0.2934, 0.5761



2.1742, 0.2853, 0.5472

Inverse Universe

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



47.4747, 0.3267, 0.2771



57.4208, 0.3306, 0.2652



46.1350, 0.3531, 0.3096



13.8815, 0.3171, 0.3109



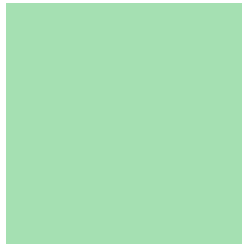
11.0403, 0.3853, 0.1896



0.7782, 0.3734, 0.1831

Previews

White Background



This preview shows how the Yxy color 64.5250, 0.3013, 0.3872 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 64.5250, 0.3013, 0.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

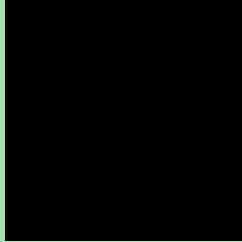
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

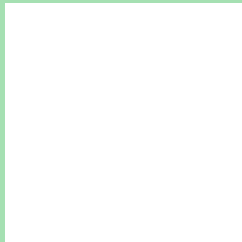
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5250, 0.3013, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 64.5250, 0.3013, 0.3872.

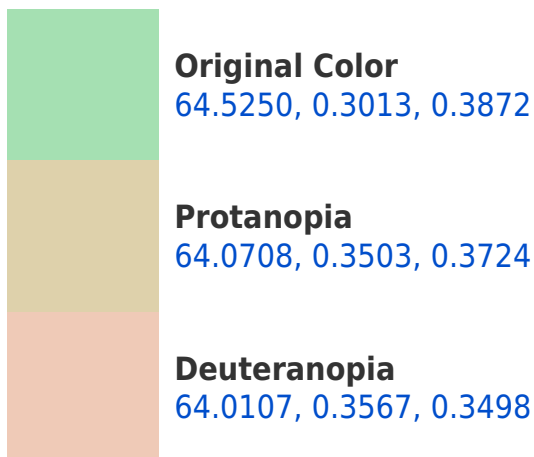


This preview shows how white text looks on a background with the Yxy color 64.5250, 0.3013, 0.3872.

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

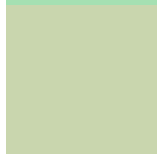
64.1662, 0.2738, 0.3078

Trichromacy



Original Color

64.5250, 0.3013, 0.3872



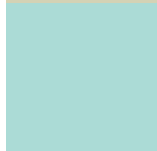
Protanomaly

63.5666, 0.3306, 0.3768



Deuteranomaly

63.4264, 0.3348, 0.3628



Tritanomaly

64.1760, 0.2832, 0.3350

Monochromacy



Original Color

64.5250, 0.3013, 0.3872



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.1426, 0.3081, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5250, 0.3013, 0.3872 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(165, 224, 178)` looks like.

```
.text, #text, p{  
    color:rgb(165, 224, 178)  
}
```

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(165, 224, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 224, 178) }
```

Border

The CSS property to change the border of an element to Yxy 64.5250, 0.3013, 0.3872 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(165, 224, 178) }
```

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

```
.border{ border-color:rgb(165, 224, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 224, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 224, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 224, 178);  
box-shadow:4px 4px 4px 4px rgb(165, 224,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5250, 0.3013, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 224, 178) }
```

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

```
.background{ background-color: rgb(165,  
224, 178) }
```

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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