

Converting Colors

$Yxy(63.6665, 0.3048, 0.3987)$

Have a look what the booklet for
Yxy(63.6665, 0.3048, 0.3987)
contains.

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Color

Yxy(63.8573, 0.3047, 0.3994)

Conversions

Conversions Part 1

Format	Color
Hex	A2E0A9
RGB	162, 224, 169
RGB Percent	64%, 88%, 66%
CMY	0.3648, 0.1215, 0.3371
CMYK	0.28, 0.00, 0.25, 0.12
HSL	127°, 50%, 76%
HSV	127°, 28%, 88%
XYZ	48.7164, 63.8573, 47.3094
YIQ	199.1920, -19.2970, -30.2490

Conversions

Conversions Part 2

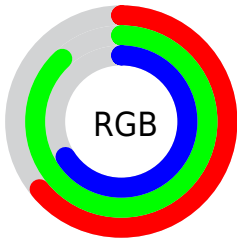
Format	Color
RYB	162, 218, 224
Decimal	10674345
CIELab	83.89, -30.42, 20.75
CIELCh	84, 36.823, 145.710
Yxy	63.8573, 0.3047, 0.3994
Android (android.graphics.Color)	4288864425 (0xFFA2E0A9)
YUV	199.1920, -14.8847, -32.6174
Hunter-Lab	79.9108, -31.0240, 20.8362

Details

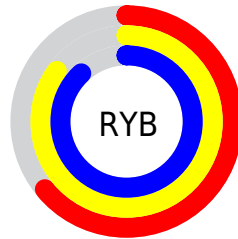
The Yxy color **63.8573, 0.3047, 0.3994** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.6890, 0.3219, 0.2675**, and the grayscale version is **57.3388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8072, 0.3075, 0.3614**, and **32.5408, 0.3018, 0.4176** is the 20% darker color. If you saturate the color by 10%, you get **61.0296, 0.3019, 0.4301**, and if you desaturate by 10%, it is **67.2215, 0.3076, 0.3713**.

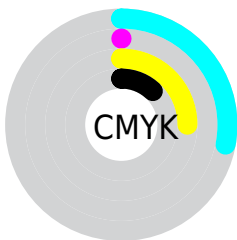
Distribution



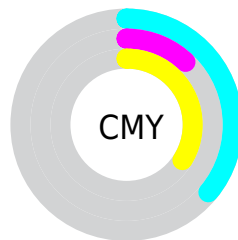
- Red (64%)
- Green (88%)
- Blue (66%)



- Red (64%)
- Yellow (85%)
- Blue (88%)



- Cyan (28%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)




- Cyan (36%)
- Magenta (12%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8573, 0.3047, 0.3994 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 63.8573, 0.3047, 0.3994 by changing the saturation by 10% instead.


 63.8573, 0.3047,
0.3994

 63.8573, 0.3047,
0.3994

438.6741, 0.3093,
0.3646

 46.5351, 0.3034,
0.4080


 110.4054, 0.3065,
0.3868

 32.6683, 0.3016,
0.4189


 140.4001, 0.3071,
0.3821

 21.8725, 0.2992,
0.4332


175.3877, 0.3076,
0.3781

 13.7632, 0.2955,
0.4529

215.7527, 0.3081,
0.3746

 7.9562, 0.2895,
0.4814

261.8795, 0.3084,
0.3716

 4.0669, 0.2788,
0.5261

314.1524, 0.3088,

 1.7111, 0.2709,

0.3690

372.9558, 0.3090,
0.3666

0.6447

0.4308, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.8573, 0.3047,
0.3994

63.8573, 0.3047,
0.3994

61.0296, 0.3019,
0.4301

67.2215, 0.3076,
0.3713

58.7029, 0.2994,
0.4625

71.1393, 0.3105,
0.3462

56.8503, 0.2975,
0.4954

75.6372, 0.3134,
0.3242

55.4389, 0.2963,
0.5266

80.7375, 0.3160,
0.3050

■ 54.4317, 0.2959,
0.5541

■ 81.7950, 0.3141,
0.2989

■ 53.7855, 0.2965,
0.5758

■ 53.4424, 0.2978,
0.5903

■ 53.3872, 0.2980,
0.5928

Harmonies

Analogous

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



63.8573, 0.3504, 0.4130



63.8573, 0.3047, 0.3994



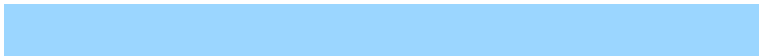
63.8573, 0.2631, 0.3617

Triad

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



63.8573, 0.3047, 0.3994



63.8573, 0.2405, 0.2580



63.8573, 0.3958, 0.3333

Complementary

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



63.8573, 0.3047, 0.3994



46.6890, 0.3219, 0.2675

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.



63.8573, 0.3619, 0.2979



63.8573, 0.3047, 0.3994



63.8573, 0.2713, 0.2559

Square

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



63.8573, 0.3047, 0.3994



63.8573, 0.2281, 0.2783



63.8573, 0.3154, 0.2704



63.8573, 0.4051, 0.3701

Rectangle

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



63.8573, 0.3047, 0.3994



63.8573, 0.2429, 0.3307



63.8573, 0.3154, 0.2704



63.8573, 0.3868, 0.3210

Sweetspot

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



63.8600, 0.3047, 0.3994



95.2239, 0.3104, 0.3471



70.7981, 0.3497, 0.3991



20.2017, 0.3100, 0.3507



0.0000, 0.0000, 0.0000



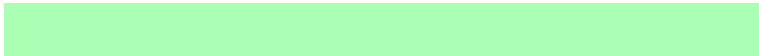
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8600, 0.3047, 0.3994



83.4735, 0.3031, 0.4161



65.1268, 0.2867, 0.3598



15.3625, 0.3100, 0.3504



31.0816, 0.2976, 0.5913



2.1630, 0.2920, 0.5713

Inverse Universe

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



46.6890, 0.3219, 0.2675



56.9481, 0.3240, 0.2552



45.2606, 0.3490, 0.3003



13.9074, 0.3155, 0.3085



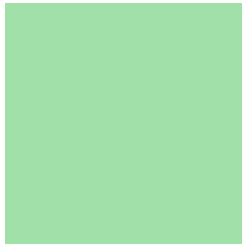
11.6226, 0.3517, 0.1711



0.8134, 0.3463, 0.1682

Previews

White Background



This preview shows how the Yxy color 63.8573, 0.3047, 0.3994 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 63.8573, 0.3047, 0.3994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

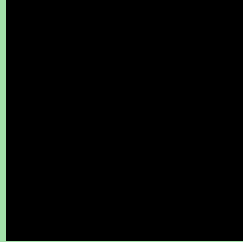
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8573, 0.3047, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 63.8573, 0.3047, 0.3994.

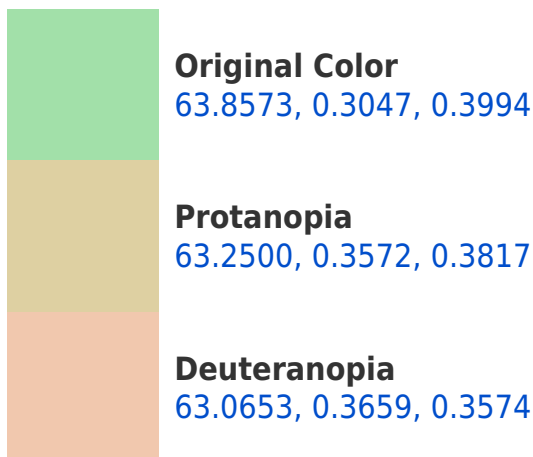


This preview shows how white text looks on a background with the Yxy color 63.8573, 0.3047, 0.3994.

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

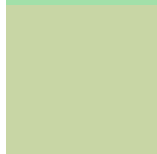
63.9936, 0.2738, 0.3089

Trichromacy



Original Color

63.8573, 0.3047, 0.3994



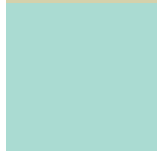
Protanomaly

63.0891, 0.3361, 0.3879



Deuteranomaly

62.5765, 0.3415, 0.3724



Tritanomaly

63.8622, 0.2850, 0.3399

Monochromacy



Original Color

63.8573, 0.3047, 0.3994



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.1817, 0.3101, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8573, 0.3047, 0.3994 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(162, 224, 169)` looks like.

```
.text, #text, p{  
    color:rgb(162, 224, 169)  
}
```

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(162, 224, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 224, 169) }
```

Border

The CSS property to change the border of an element to Yxy 63.8573, 0.3047, 0.3994 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(162, 224, 169) }
```

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

```
.border{ border-color:rgb(162, 224, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 224, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 224, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 224, 169); box-shadow:4px 4px 4px 4px rgb(162, 224, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8573, 0.3047, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 224, 169) }
```

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

```
.background{ background-color: rgb(162,  
224, 169) }
```

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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