

Converting Colors

$Yxy(63.5191, 0.3100, 0.4062)$

Have a look what the booklet for
Yxy(63.5191, 0.3100, 0.4062)
contains.

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Color

Yxy(63.3122, 0.3098, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	A4DFA3
RGB	164, 223, 163
RGB Percent	64%, 87%, 64%
CMY	0.3568, 0.1255, 0.3608
CMYK	0.26, 0.00, 0.27, 0.13
HSL	119°, 48%, 76%
HSV	119°, 27%, 87%
XYZ	48.3106, 63.3122, 44.3185
YIQ	198.5190, -15.9040, -31.1680

Conversions

Conversions Part 2

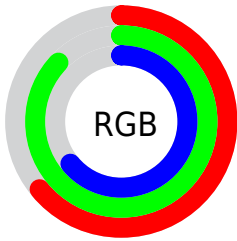
Format	Color
RYB	163, 223, 222
Decimal	10805155
CIELab	83.61, -30.31, 23.52
CIElCh	84, 38.361, 142.193
Yxy	63.3122, 0.3098, 0.4060
Android (android.graphics.Color)	4288995235 (0xFFA4DFA3)
YUV	198.5190, -17.5109, -30.2732
Hunter-Lab	79.5690, -30.8686, 22.6748

Details

The Yxy color **63.3122, 0.3098, 0.4060** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.0430, 0.3150, 0.2621**, and the grayscale version is **56.9236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7976, 0.3121, 0.3677**, and **32.5325, 0.3081, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **60.4500, 0.3084, 0.4402**, and if you desaturate by 10%, it is **66.7225, 0.3110, 0.3745**.

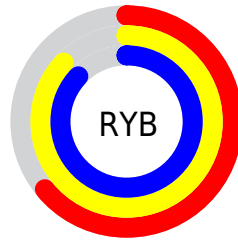
Distribution



Red (64%)

Green (87%)

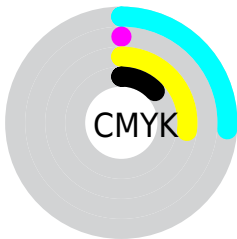
Blue (64%)



Red (64%)

Yellow (87%)

Blue (87%)

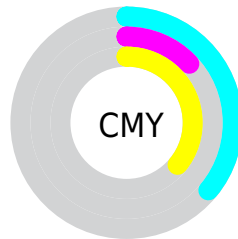


Cyan (26%)

Magenta (0%)

Yellow (27%)

Black (13%)



Cyan (36%)


Magenta (13%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3122, 0.3098, 0.4060 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 63.3122, 0.3098, 0.4060 by changing the saturation by 10% instead.


 63.3122, 0.3098,
0.4060

 63.3122, 0.3098,
0.4060


436.7016, 0.3121,
0.3678

 46.0938, 0.3090,
0.4154


 109.6198, 0.3108,
0.3922

 32.3199, 0.3078,
0.4274


 139.4778, 0.3112,
0.3870

 21.6059, 0.3060,
0.4432


174.3178, 0.3114,
0.3826

 13.5676, 0.3031,
0.4648

214.5242, 0.3116,
0.3788

 7.8206, 0.2981,
0.4961

260.4814, 0.3118,
0.3755

 3.9803, 0.2881,
0.5448


312.5738, 0.3119,

 1.6626, 0.2938,


0.3726


0.7062

371.1857, 0.3120,
0.3701

 0.3992, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 63.3122, 0.3098,
0.4060


 63.3122, 0.3098,
0.4060


 60.4500, 0.3084,
0.4402


 66.7225, 0.3110,
0.3745


 58.1000, 0.3069,
0.4760

 70.6988, 0.3121,
0.3464

 56.2341, 0.3052,
0.5113

 75.2682, 0.3130,
0.3217

 54.8188, 0.3037,
0.5436

 80.4536, 0.3137,
0.3004

■ 53.8159, 0.3023,
0.5699

■ 81.2561, 0.3142,
0.2980

■ 53.1813, 0.3011,
0.5882

■ 52.8597, 0.3004,
0.5978

■ 52.8008, 0.3003,
0.5998

Harmonies

Analogous

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



63.3122, 0.3572, 0.4165



63.3122, 0.3098, 0.4060



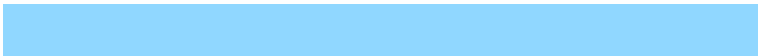
63.3122, 0.2653, 0.3687

Triad

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



63.3122, 0.3098, 0.4060



63.3122, 0.2350, 0.2564



63.3122, 0.3966, 0.3287

Complementary

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



63.3122, 0.3098, 0.4060



47.0430, 0.3150, 0.2621

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.



63.3122, 0.3588, 0.2927



63.3122, 0.3098, 0.4060



63.3122, 0.2649, 0.2523

Square

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



63.3122, 0.3098, 0.4060



63.3122, 0.2245, 0.2797



63.3122, 0.3097, 0.2655



63.3122, 0.4095, 0.3672

Rectangle

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



63.3122, 0.3098, 0.4060



63.3122, 0.2431, 0.3364



63.3122, 0.3097, 0.2655



63.3122, 0.3862, 0.3161

Sweetspot

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



63.3149, 0.3098, 0.4060



95.1489, 0.3120, 0.3495



70.0456, 0.3538, 0.3940



20.1830, 0.3118, 0.3536



0.0000, 0.0000, 0.0000



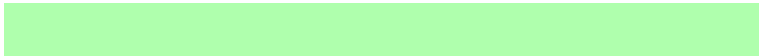
21.4041, 0.3127, 0.3290

Same Dimension

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



63.3149, 0.3098, 0.4060



83.6440, 0.3091, 0.4240



64.3228, 0.2921, 0.3692



15.3484, 0.3118, 0.3532



31.0506, 0.3004, 0.5997



2.1563, 0.3015, 0.5988

Inverse Universe

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



47.0430, 0.3150, 0.2621



58.2554, 0.3153, 0.2489



45.8187, 0.3403, 0.2921



13.9230, 0.3135, 0.3059



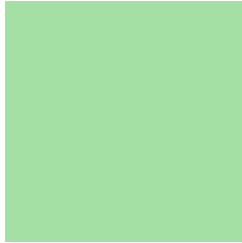
12.0080, 0.3167, 0.1518



0.8362, 0.3173, 0.1522

Previews

White Background



This preview shows how the Yxy color 63.3122, 0.3098, 0.4060 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 63.3122, 0.3098, 0.4060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

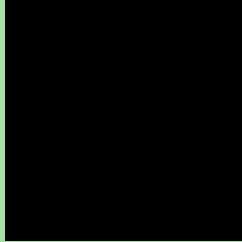
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3122, 0.3098, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 63.3122, 0.3098, 0.4060.

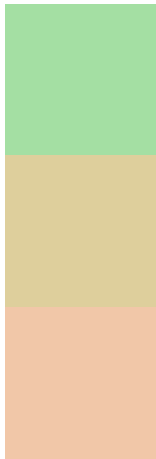


This preview shows how white text looks on a background with the Yxy color 63.3122, 0.3098, 0.4060.

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**

63.3122, 0.3098, 0.4060

Protanopia

62.5555, 0.3620, 0.3875

Deuteranopia

62.3748, 0.3710, 0.3629



Tritanopia

63.0928, 0.2760, 0.3089

Trichromacy



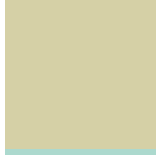
Original Color

63.3122, 0.3098, 0.4060



Protanomaly

62.5092, 0.3412, 0.3940



Deuteranomaly

62.0111, 0.3470, 0.3783



Tritanomaly

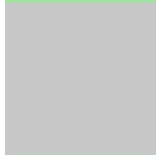
62.8526, 0.2886, 0.3424

Monochromacy



Original Color

63.3122, 0.3098, 0.4060



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.0960, 0.3114, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3122, 0.3098, 0.4060 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(164, 223, 163)` looks like.

```
.text, #text, p{  
    color:rgb(164, 223, 163)  
}
```

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(164, 223, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 223, 163) }
```

Border

The CSS property to change the border of an element to Yxy 63.3122, 0.3098, 0.4060 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(164, 223, 163) }
```

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

```
.border{ border-color:rgb(164, 223, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 223, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 223, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 223, 163); box-shadow:4px 4px 4px 4px rgb(164, 223, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3122, 0.3098, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 223, 163) }
```

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

```
.background{ background-color: rgb(164,  
223, 163) }
```

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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