

Converting Colors

$Yxy(63.0266, 0.3110, 0.4186)$

Have a look what the booklet for
Yxy(63.0266, 0.3110, 0.4186)
contains.

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Color

Yxy(63.0488, 0.3112, 0.4186)

Conversions

Conversions Part 1

Format	Color
Hex	9FE09B
RGB	159, 224, 155
RGB Percent	62%, 88%, 61%
CMY	0.3764, 0.1216, 0.3923
CMYK	0.29, 0.00, 0.31, 0.12
HSL	116°, 53%, 74%
HSV	116°, 31%, 88%
XYZ	46.8724, 63.0488, 40.6971
YIQ	196.6990, -16.5910, -35.2390

Conversions

Conversions Part 2

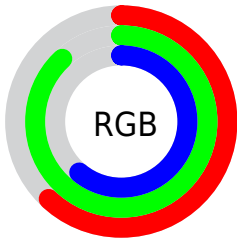
Format	Color
RYB	155, 224, 220
Decimal	10477723
CIELab	83.47, -33.71, 27.43
CIELCh	83, 43.461, 140.867
Yxy	63.0488, 0.3112, 0.4186
Android (android.graphics.Color)	4288667803 (0xFF9FE09B)
YUV	196.6990, -20.5576, -33.0620
Hunter-Lab	79.4033, -33.5857, 25.1940

Details

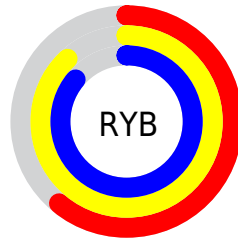
The Yxy color **63.0488, 0.3112, 0.4186** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.0230, 0.3127, 0.2518**, and the grayscale version is **55.7811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6202, 0.3136, 0.3768**, and **31.9878, 0.3090, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **60.3922, 0.3102, 0.4533**, and if you desaturate by 10%, it is **66.2180, 0.3119, 0.3862**.

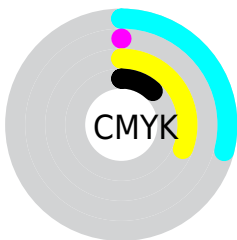
Distribution



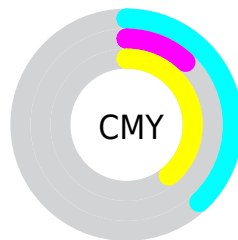
- Red (62%)
- Green (88%)
- Blue (61%)



- Red (61%)
- Yellow (88%)
- Blue (86%)



- Cyan (29%)
- Magenta (0%)
- Yellow (31%)
- Black (12%)





- Cyan (38%)
- Magenta (12%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0488, 0.3112, 0.4186 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 63.0488, 0.3112, 0.4186 by changing the saturation by 10% instead.


 63.0488, 0.3112,
0.4186


 63.0488, 0.3112,
0.4186

435.7466, 0.3132,
0.3739

 45.8807, 0.3104,
0.4296

 109.2399, 0.3122,
0.4024

 32.1517, 0.3091,
0.4437


 139.0317, 0.3125,
0.3963

 21.4774, 0.3071,
0.4623


173.8002, 0.3127,
0.3912

 13.4734, 0.3036,
0.4877

213.9297, 0.3128,
0.3867

 7.7553, 0.2974,
0.5244

259.8047, 0.3130,
0.3829

 3.9388, 0.2847,
0.5809

311.8096, 0.3130,

 1.6394, 0.2660,

0.3795

0.7340

370.3288, 0.3131,
0.3765

0.3839, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.0488, 0.3112,
0.4186

63.0488, 0.3112,
0.4186

60.3922, 0.3102,
0.4533

66.2180, 0.3119,
0.3862

58.2137, 0.3089,
0.4887

69.9163, 0.3124,
0.3569

56.4874, 0.3074,
0.5229

74.1692, 0.3127,
0.3310

55.1814, 0.3057,
0.5530

78.9982, 0.3128,
0.3083

■ 54.2596, 0.3038,
0.5766

■ 81.7919, 0.3141,
0.2989

■ 53.6800, 0.3021,
0.5919

■ 53.3987, 0.3010,
0.5992

Harmonies

Analogous

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



63.0488, 0.3645, 0.4282



63.0488, 0.3112, 0.4186



63.0488, 0.2609, 0.3766

Triad

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



63.0488, 0.3112, 0.4186



63.0488, 0.2245, 0.2480



63.0488, 0.4066, 0.3261

Complementary

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



63.0488, 0.3112, 0.4186



44.0230, 0.3127, 0.2518

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.



63.0488, 0.3625, 0.2865



63.0488, 0.3112, 0.4186



63.0488, 0.2568, 0.2429

Square

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



63.0488, 0.3112, 0.4186



63.0488, 0.2139, 0.2744



63.0488, 0.3065, 0.2569



63.0488, 0.4225, 0.3691

Rectangle

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



63.0488, 0.3112, 0.4186



63.0488, 0.2355, 0.3394



63.0488, 0.3065, 0.2569



63.0488, 0.3944, 0.3121

Sweetspot

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



63.0515, 0.3112, 0.4186



94.7398, 0.3125, 0.3521



69.0847, 0.3605, 0.4011



20.1087, 0.3124, 0.3561



0.0000, 0.0000, 0.0000



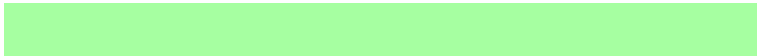
21.4041, 0.3127, 0.3290

Same Dimension

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



63.0515, 0.3112, 0.4186



82.2088, 0.3106, 0.4408



63.7758, 0.2907, 0.3790



15.3755, 0.3125, 0.3532



31.0978, 0.3013, 0.5989



2.1693, 0.3052, 0.5959

Inverse Universe

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



44.0230, 0.3127, 0.2518



52.8113, 0.3125, 0.2359



43.1805, 0.3433, 0.2840



13.8925, 0.3129, 0.3058



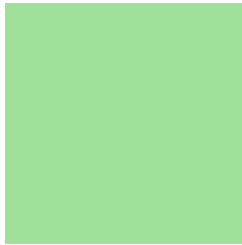
11.1978, 0.3063, 0.1461



0.7888, 0.3087, 0.1474

Previews

White Background



This preview shows how the Yxy color 63.0488, 0.3112, 0.4186 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 63.0488, 0.3112, 0.4186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

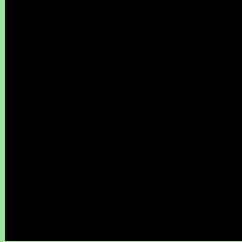
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0488, 0.3112, 0.4186

Background



This preview shows how black text looks on a background with the Yxy color 63.0488, 0.3112, 0.4186.



This preview shows how white text looks on a background with the Yxy color 63.0488, 0.3112, 0.4186.

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

63.0488, 0.3112, 0.4186

Protanopia

62.4517, 0.3687, 0.3964

Deuteranopia

62.4396, 0.3791, 0.3714



Tritanopia

62.7469, 0.2741, 0.3088

Trichromacy



Original Color

63.0488, 0.3112, 0.4186



Protanomaly

62.1022, 0.3460, 0.4039



Deuteranomaly

61.5774, 0.3520, 0.3879



Tritanomaly

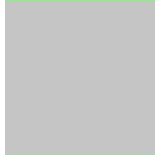
62.7794, 0.2878, 0.3475

Monochromacy



Original Color

63.0488, 0.3112, 0.4186



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.0703, 0.3120, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0488, 0.3112, 0.4186 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(159, 224, 155)` looks like.

```
.text, #text, p{  
    color:rgb(159, 224, 155)  
}
```

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(159, 224, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 224, 155) }
```

Border

The CSS property to change the border of an element to Yxy 63.0488, 0.3112, 0.4186 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(159, 224, 155) }
```

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

```
.border{ border-color:rgb(159, 224, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 224, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 224, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 224, 155);  
box-shadow:4px 4px 4px 4px rgb(159, 224,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0488, 0.3112, 0.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 224, 155) }
```

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

```
.background{ background-color: rgb(159,  
224, 155) }
```

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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