

Converting Colors

$Yxy(48.5559, 0.3229, 0.4021)$

Have a look what the booklet for
Yxy(48.5559, 0.3229, 0.4021)
contains.

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Color

Yxy(48.4870, 0.3227, 0.4016)

Conversions

Conversions Part 1

Format	Color
Hex	A0C38F
RGB	160, 195, 143
RGB Percent	63%, 76%, 56%
CMY	0.3728, 0.2352, 0.4393
CMYK	0.18, 0.00, 0.27, 0.24
HSL	100°, 30%, 66%
HSV	100°, 27%, 76%
XYZ	38.9610, 48.4870, 33.2865
YIQ	178.6070, -4.1680, -23.5920

Conversions

Conversions Part 2

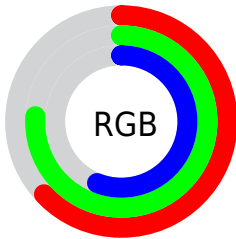
Format	Color
RYB	143, 195, 178
Decimal	10535823
CIELab	75.13, -21.38, 22.39
CIELCh	75, 30.963, 133.682
Yxy	48.4870, 0.3227, 0.4016
Android (android.graphics.Color)	4288725903 (0xFFA0C38F)
YUV	178.6070, -17.5543, -16.3183
Hunter-Lab	69.6326, -21.9822, 20.4004

Details

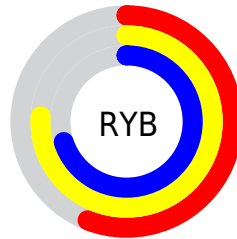
The Yxy color **48.4870, 0.3227, 0.4016** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.0545, 0.2993, 0.2600**, and the grayscale version is **44.9513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0991, 0.3212, 0.3881**, and **23.0106, 0.3249, 0.4239** is the 20% darker color. If you saturate the color by 10%, you get **46.6651, 0.3257, 0.4327**, and if you desaturate by 10%, it is **50.5591, 0.3192, 0.3724**.

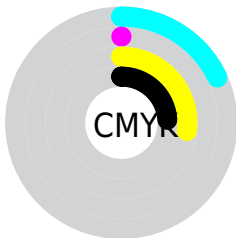
Distribution



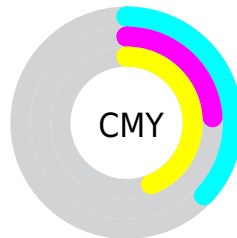
- Red (63%)
- Green (76%)
- Blue (56%)



- Red (56%)
- Yellow (76%)
- Blue (70%)



- Cyan (18%)
- Magenta (0%)
- Yellow (27%)
- Black (24%)





- Cyan (37%)
- Magenta (24%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4870, 0.3227, 0.4016 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 48.4870, 0.3227, 0.4016 by changing the saturation by 10% instead.


 48.4870, 0.3227,
0.4016


 48.4870, 0.3227,
0.4016

380.7192, 0.3185,
0.3642

 34.2127, 0.3235,
0.4112


 87.9291, 0.3214,
0.3878

 23.0571, 0.3242,
0.4238


 113.8656, 0.3208,
0.3827

 14.6356, 0.3249,
0.4407


144.4584, 0.3203,
0.3784

 8.5641, 0.3252,
0.4647

180.0918, 0.3199,
0.3747

 4.4580, 0.3240,
0.5012

221.1501, 0.3195,
0.3715

 1.9329, 0.3325,
0.5888

268.0179, 0.3191,

 0.5680, 0.0305,

0.3688

0.9695

321.0795, 0.3188,
0.3664

0.0000, 0.0000,
0.0000

48.4870, 0.3227,
0.4016

48.4870, 0.3227,
0.4016

46.6651, 0.3257,
0.4327

50.5591, 0.3192,
0.3724

45.0774, 0.3278,
0.4648

52.8843, 0.3153,
0.3455

43.7154, 0.3288,
0.4964

55.4733, 0.3114,
0.3212

42.5680, 0.3283,
0.5258

58.3345, 0.3075,
0.2996

41.6226, 0.3262,
0.5511

61.4757, 0.3037,
0.2804

■ 40.8652, 0.3226,
0.5706

■ 64.5782, 0.3035,
0.2681

■ 40.2787, 0.3178,
0.5836

■ 66.9480, 0.3132,
0.2699

■ 40.1136, 0.3162,
0.5871

■ 67.5184, 0.3155,
0.2703

Harmonies

Analogous

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



48.4870, 0.3631, 0.4042



48.4870, 0.3227, 0.4016



48.4870, 0.2813, 0.3747

Triad

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



48.4870, 0.3227, 0.4016



48.4870, 0.2389, 0.2689



48.4870, 0.3790, 0.3195

Complementary

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



48.4870, 0.3227, 0.4016



33.0545, 0.2993, 0.2600

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.



48.4870, 0.3416, 0.2888



48.4870, 0.3227, 0.4016



48.4870, 0.2612, 0.2600

Square

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



48.4870, 0.3227, 0.4016



48.4870, 0.2349, 0.2947



48.4870, 0.2981, 0.2675



48.4870, 0.3974, 0.3540

Rectangle

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



48.4870, 0.3227, 0.4016



48.4870, 0.2586, 0.3479



48.4870, 0.2981, 0.2675



48.4870, 0.3681, 0.3086

Sweetspot

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



48.4891, 0.3227, 0.4016



94.0666, 0.3159, 0.3492



45.2989, 0.3579, 0.3742



20.4555, 0.3165, 0.3532



0.0000, 0.0000, 0.0000



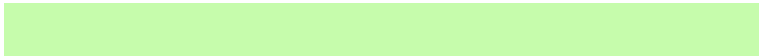
21.4041, 0.3127, 0.3290

Same Dimension

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



48.4891, 0.3227, 0.4016



84.8744, 0.3245, 0.4195



47.1329, 0.3031, 0.3916



11.4146, 0.3164, 0.3525



26.1071, 0.3171, 0.5864



1.1659, 0.3353, 0.5720

Inverse Universe

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



33.0545, 0.2993, 0.2600



52.6235, 0.2956, 0.2441



34.8058, 0.3241, 0.2736



10.0777, 0.3087, 0.3059



5.7675, 0.2409, 0.1101



0.2852, 0.2593, 0.1202

Previews

White Background



This preview shows how the Yxy color 48.4870, 0.3227, 0.4016 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 48.4870, 0.3227, 0.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

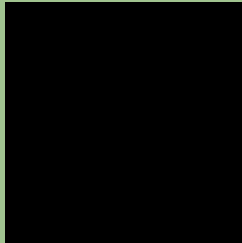
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4870, 0.3227, 0.4016

Background



This preview shows how black text looks on a background with the Yxy color 48.4870, 0.3227, 0.4016.



This preview shows how white text looks on a background with the Yxy color 48.4870, 0.3227, 0.4016.

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

48.4870, 0.3227, 0.4016

Protanopia

48.1217, 0.3627, 0.3878

Deuteranopia

47.9979, 0.3733, 0.3656



Tritanopia

48.2399, 0.2874, 0.3095

Trichromacy



Original Color

48.4870, 0.3227, 0.4016

Protanomaly

48.0502, 0.3471, 0.3926

Deuteranomaly

47.9584, 0.3534, 0.3780

Tritanomaly

48.2701, 0.3001, 0.3410

Monochromacy



Original Color

48.4870, 0.3227, 0.4016

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.2218, 0.3166, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4870, 0.3227, 0.4016 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(160, 195, 143)` looks like.

```
.text, #text, p{  
    color:rgb(160, 195, 143)  
}
```

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(160, 195, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 195, 143) }
```

Border

The CSS property to change the border of an element to Yxy 48.4870, 0.3227, 0.4016 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(160, 195, 143) }
```

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

```
.border{ border-color:rgb(160, 195, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 195, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 195, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 195, 143);  
box-shadow:4px 4px 4px 4px rgb(160, 195,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4870, 0.3227, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 195, 143) }
```

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

```
.background{ background-color: rgb(160,  
195, 143) }
```

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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