

Converting Colors

$Yxy(48.4138, 0.3223, 0.3631)$

Have a look what the booklet for
Yxy(48.4138, 0.3223, 0.3631)
contains.

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Color

Yxy(48.3866, 0.3227, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	B1BDA3
RGB	177, 189, 163
RGB Percent	69%, 74%, 64%
CMY	0.3060, 0.2588, 0.3608
CMYK	0.06, 0.00, 0.14, 0.26
HSL	88°, 16%, 69%
HSV	88°, 14%, 74%
XYZ	42.9320, 48.3866, 41.7213
YIQ	182.4480, 1.1940, -10.6300

Conversions

Conversions Part 2

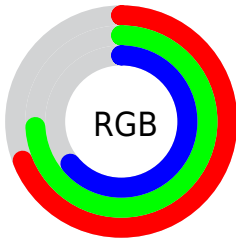
Format	Color
RYB	163, 189, 175
Decimal	11648419
CIELab	75.07, -8.90, 11.75
CIELCh	75, 14.739, 127.148
Yxy	48.3866, 0.3227, 0.3637
Android (android.graphics.Color)	4289838499 (0xFFB1BDA3)
YUV	182.4480, -9.5879, -4.7779
Hunter-Lab	69.5605, -11.5626, 13.1311

Details

The Yxy color $48.3866, 0.3227, 0.3637$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $38.9847, 0.3016, 0.2942$, and the grayscale version is $47.0862, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.6904, 0.3212, 0.3569$, and $23.0411, 0.3252, 0.3749$ is the 20% darker color. If you saturate the color by 10%, you get $46.7658, 0.3298, 0.3911$, and if you desaturate by 10%, it is $50.1788, 0.3154, 0.3381$.

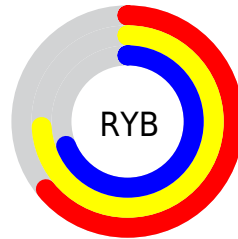
Distribution



Red (69%)

Green (74%)

Blue (64%)



Red (64%)

Yellow (74%)

Blue (69%)

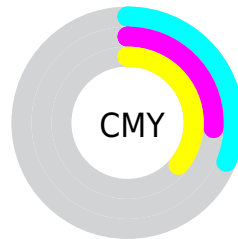


Cyan (6%)

Magenta (0%)

Yellow (14%)

Black (26%)



Cyan (31%)


Magenta (26%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3866, 0.3227, 0.3637 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 48.3866, 0.3227, 0.3637 by changing the saturation by 10% instead.


 48.3866, 0.3227,
0.3637


 48.3866, 0.3227,
0.3637


380.3225, 0.3179,
0.3462

 34.1331, 0.3238,
0.3681


 87.7797, 0.3210,
0.3573

 22.9959, 0.3253,
0.3739

 113.6882, 0.3203,
0.3549

 14.5905, 0.3271,
0.3816


144.2505, 0.3198,
0.3529

 8.5325, 0.3295,
0.3924

179.8509, 0.3193,
0.3511

 4.4375, 0.3329,
0.4088

220.8739, 0.3189,
0.3496

 1.9212, 0.3375,
0.4364

267.7039, 0.3185,

 0.5611, 0.3603,

0.3483

0.6397

320.7253, 0.3182,
0.3472

0.0000, 0.0000,
0.0000

48.3866, 0.3227,
0.3637

48.3866, 0.3227,
0.3637

46.7658, 0.3298,
0.3911

50.1788, 0.3154,
0.3381

45.3045, 0.3364,
0.4199

52.1416, 0.3083,
0.3146

43.9986, 0.3422,
0.4491

54.2821, 0.3013,
0.2933

42.8417, 0.3467,
0.4779

56.6053, 0.2947,
0.2741

41.8267, 0.3494,
0.5047

58.9540, 0.2901,
0.2592

■ 40.9456, 0.3501,
0.5281

■ 60.3624, 0.2966,
0.2605

■ 40.1897, 0.3485,
0.5470

■ 61.8435, 0.3031,
0.2618

■ 39.5485, 0.3447,
0.5605

■ 63.3984, 0.3097,
0.2631

■ 39.1953, 0.3416,
0.5669

■ 64.8824, 0.3157,
0.2644

Harmonies

Analogous

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



48.3866, 0.3409, 0.3637



48.3866, 0.3227, 0.3637



48.3866, 0.3023, 0.3535

Triad

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



48.3866, 0.3227, 0.3637



48.3866, 0.2751, 0.3025



48.3866, 0.3409, 0.3214

Complementary

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



48.3866, 0.3227, 0.3637



38.9847, 0.3016, 0.2942

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.



48.3866, 0.3224, 0.3063



48.3866, 0.3227, 0.3637



48.3866, 0.2846, 0.2953

Square

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



48.3866, 0.3227, 0.3637



48.3866, 0.2752, 0.3172



48.3866, 0.3018, 0.2969



48.3866, 0.3517, 0.3387

Rectangle

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



48.3866, 0.3227, 0.3637



48.3866, 0.2901, 0.3423



48.3866, 0.3018, 0.2969



48.3866, 0.3353, 0.3159

Sweetspot

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



48.3887, 0.3227, 0.3637



89.7539, 0.3157, 0.3388



44.0088, 0.3356, 0.3445



19.2470, 0.3162, 0.3407



95.5105, 0.3127, 0.3290



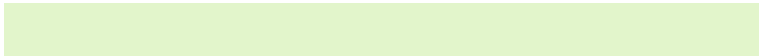
19.5994, 0.3127, 0.3290

Same Dimension

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



48.3887, 0.3227, 0.3637



85.5959, 0.3252, 0.3731



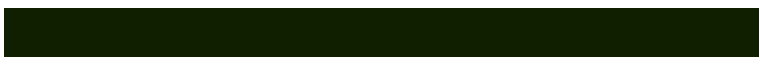
46.9698, 0.3121, 0.3648



10.8949, 0.3195, 0.3522



26.4125, 0.3425, 0.5662



1.0731, 0.3604, 0.5520

Inverse Universe

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



38.9847, 0.3016, 0.2942



64.9820, 0.2984, 0.2847



40.5206, 0.3131, 0.2954



9.4361, 0.3054, 0.3058



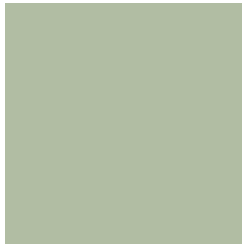
3.8980, 0.1965, 0.0856



0.1916, 0.2241, 0.1008

Previews

White Background



This preview shows how the Yxy color 48.3866, 0.3227, 0.3637 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 48.3866, 0.3227, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

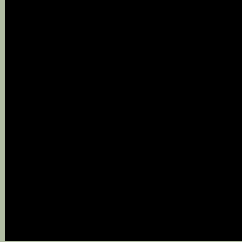
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

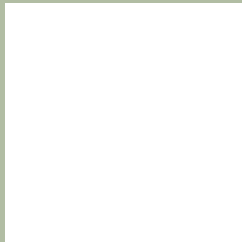
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3866, 0.3227, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 48.3866, 0.3227, 0.3637.



This preview shows how white text looks on a background with the Yxy color 48.3866, 0.3227, 0.3637.

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

48.3866, 0.3227, 0.3637

Protanopia

48.1565, 0.3399, 0.3599

Deuteranopia

48.2590, 0.3524, 0.3450



Tritanopia

48.3496, 0.2996, 0.3099

Trichromacy



Original Color

48.3866, 0.3227, 0.3637

Protanomaly

48.2558, 0.3334, 0.3617

Deuteranomaly

48.1420, 0.3415, 0.3519

Tritanomaly

48.3663, 0.3078, 0.3290

Monochromacy



Original Color

48.3866, 0.3227, 0.3637

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.4964, 0.3163, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3866, 0.3227, 0.3637 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(177, 189, 163)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 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(177, 189, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 163) }
```

Border

The CSS property to change the border of an element to Yxy 48.3866, 0.3227, 0.3637 is called "border". The border property can be set on classes, ids or directly on the HTML element.

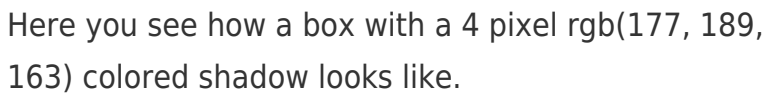
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 189, 163) }
```

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

```
.border{ border-color:rgb(177, 189, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 189, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 189, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 189, 163); box-shadow:4px 4px 4px 4px rgb(177, 189, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3866, 0.3227, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 189, 163) }
```

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

```
.background{ background-color: rgb(177,  
189, 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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