

Converting Colors

$Y_{xy}(50.8700, 0.3272, 0.3628)$

Have a look what the booklet for
Yxy(50.8700, 0.3272, 0.3628)
contains.

Yxy(50.7667, 0.3268, 0.3627)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.7667, 0.3268, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	B9C0A6
RGB	185, 192, 166
RGB Percent	73%, 75%, 65%
CMY	0.2745, 0.2471, 0.3490
CMYK	0.04, 0.00, 0.14, 0.25
HSL	76°, 17%, 70%
HSV	76°, 14%, 75%
XYZ	45.7418, 50.7667, 43.4603
YIQ	186.9430, 4.1740, -9.5700

Conversions

Conversions Part 2

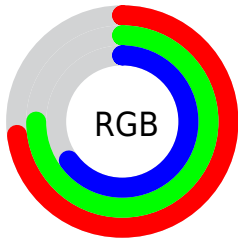
Format	Color
RYB	166, 192, 173
Decimal	12173478
CIELab	76.54, -7.04, 12.29
CIELCh	77, 14.165, 119.806
Yxy	50.7667, 0.3268, 0.3627
Android (android.graphics.Color)	4290363558 (0xFFB9C0A6)
YUV	186.9430, -10.3249, -1.7040
Hunter-Lab	71.2508, -10.0947, 13.7108

Details

The Yxy color $50.7667, 0.3268, 0.3627$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $39.9577, 0.2974, 0.2943$, and the grayscale version is $49.7196, 0.3127, 0.3290$.

A 20% lighter version of the original color is $91.0560, 0.3244, 0.3563$, and $24.5857, 0.3306, 0.3731$ is the 20% darker color. If you saturate the color by 10%, you get $49.4860, 0.3372, 0.3891$, and if you desaturate by 10%, it is $52.1803, 0.3164, 0.3375$.

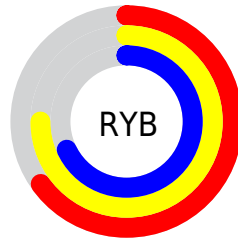
Distribution



Red (73%)

Green (75%)

Blue (65%)



Red (65%)

Yellow (75%)

Blue (68%)

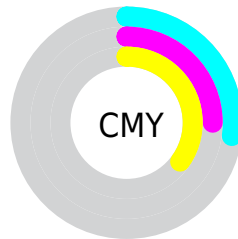


Cyan (4%)

Magenta (0%)

Yellow (14%)

Black (25%)



Cyan (27%)


Magenta (25%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7667, 0.3268, 0.3627 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 50.7667, 0.3268, 0.3627 by changing the saturation by 10% instead.


 50.7667, 0.3268,
0.3627


 50.7667, 0.3268,
0.3627


389.6567, 0.3200,
0.3459

 36.0230, 0.3284,
0.3669


 91.3098, 0.3244,
0.3566

 24.4519, 0.3305,
0.3723


 117.8780, 0.3234,
0.3543

 15.6692, 0.3331,
0.3795


149.1565, 0.3227,
0.3523

 9.2904, 0.3367,
0.3895

185.5296, 0.3220,
0.3507

 4.9311, 0.3417,
0.4043

227.3818, 0.3214,
0.3492

 2.2069, 0.3491,
0.4287

275.0974, 0.3209,

 0.7237, 0.4162,

0.3480

0.5838

329.0609, 0.3204,
0.3468

0.0000, 0.0000,
0.0000

50.7667, 0.3268,
0.3627

50.7667, 0.3268,
0.3627

49.4860, 0.3372,
0.3891

52.1803, 0.3164,
0.3375

48.3267, 0.3473,
0.4161

53.7248, 0.3062,
0.3140

47.2857, 0.3565,
0.4429

55.4067, 0.2965,
0.2923

46.3574, 0.3643,
0.4685

57.2301, 0.2873,
0.2724

45.5356, 0.3703,
0.4917

58.7404, 0.2831,
0.2610

■ 44.8133, 0.3741,
0.5114

■ 59.5137, 0.2868,
0.2617

■ 44.1826, 0.3754,
0.5268

■ 60.3116, 0.2905,
0.2625

■ 43.6339, 0.3741,
0.5374

■ 61.1345, 0.2943,
0.2632

■ 43.3116, 0.3724,
0.5425

■ 61.9824, 0.2980,
0.2639

Harmonies

Analogous

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



50.7667, 0.3427, 0.3604



50.7667, 0.3268, 0.3627



50.7667, 0.3075, 0.3552

Triad

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



50.7667, 0.3268, 0.3627



50.7667, 0.2762, 0.3068



50.7667, 0.3356, 0.3179

Complementary

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



50.7667, 0.3268, 0.3627



39.9577, 0.2974, 0.2943

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.



50.7667, 0.3171, 0.3047



50.7667, 0.3268, 0.3627



50.7667, 0.2832, 0.2980

Square

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



50.7667, 0.3268, 0.3627



50.7667, 0.2787, 0.3221



50.7667, 0.2979, 0.2974



50.7667, 0.3479, 0.3342

Rectangle

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



50.7667, 0.3268, 0.3627



50.7667, 0.2953, 0.3457



50.7667, 0.2979, 0.2974



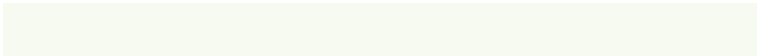
50.7667, 0.3298, 0.3130

Sweetspot

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



50.7689, 0.3268, 0.3627



94.4078, 0.3169, 0.3388



43.8193, 0.3360, 0.3381



20.2103, 0.3177, 0.3407



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



50.7689, 0.3268, 0.3627



91.3362, 0.3296, 0.3698



49.2305, 0.3160, 0.3638



11.6179, 0.3224, 0.3520



29.1833, 0.3730, 0.5420



1.2932, 0.3838, 0.5334

Inverse Universe

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



39.9577, 0.2974, 0.2943



68.2662, 0.2939, 0.2867



41.5064, 0.3088, 0.2955



9.8760, 0.3024, 0.3055



3.0780, 0.1674, 0.0696



0.1681, 0.1923, 0.0833

Previews

White Background



This preview shows how the Yxy color 50.7667, 0.3268, 0.3627 looks on a white background.

Color Contrast Check

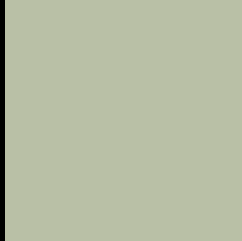
Large Text (above 18pt) WCAG AA × Fail

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 50.7667, 0.3268, 0.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

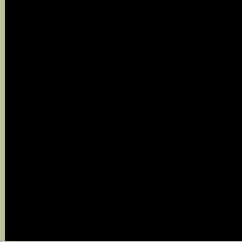
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

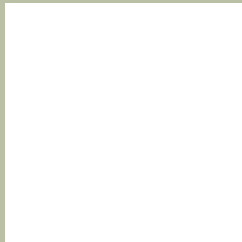
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7667, 0.3268, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 50.7667, 0.3268, 0.3627.



This preview shows how white text looks on a background with the Yxy color 50.7667, 0.3268, 0.3627.

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

50.7667, 0.3268, 0.3627

Protanopia

50.6525, 0.3402, 0.3592

Deuteranopia

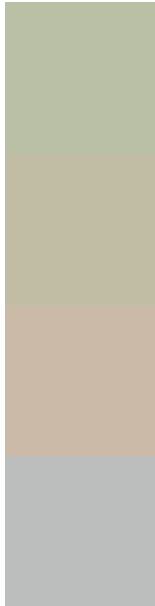
50.5792, 0.3524, 0.3460



Tritanopia

50.7521, 0.3038, 0.3105

Trichromacy



Original Color

50.7667, 0.3268, 0.3627

Protanomaly

50.4493, 0.3349, 0.3596

Deuteranomaly

50.6043, 0.3426, 0.3526

Tritanomaly

50.7607, 0.3119, 0.3290

Monochromacy



Original Color

50.7667, 0.3268, 0.3627

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.0890, 0.3179, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7667, 0.3268, 0.3627 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(185, 192, 166)` looks like.

```
.text, #text, p{  
    color:rgb(185, 192, 166)  
}
```

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(185, 192, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 192, 166) }
```

Border

The CSS property to change the border of an element to Yxy 50.7667, 0.3268, 0.3627 is called "border". The border property can be set on classes, ids or directly on the HTML element.

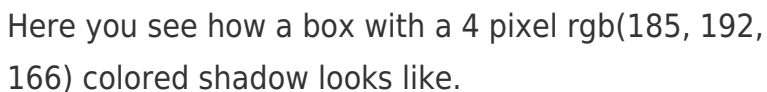
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 192, 166) }
```

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

```
.border{ border-color:rgb(185, 192, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 192, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 192, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 192, 166);  
box-shadow:4px 4px 4px 4px rgb(185, 192,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7667, 0.3268, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 192, 166) }
```

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

```
.background{ background-color: rgb(185,  
192, 166) }
```

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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