

Converting Colors

$Y_{xy}(49.8273, 0.3267, 0.3573)$

Have a look what the booklet for
Yxy(49.8273, 0.3267, 0.3573)
contains.

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Color

Yxy(49.6614, 0.3265, 0.3562)

Conversions

Conversions Part 1

Format	Color
Hex	BABDA8
RGB	186, 189, 168
RGB Percent	73%, 74%, 66%
CMY	0.2705, 0.2588, 0.3411
CMYK	0.02, 0.00, 0.11, 0.26
HSL	68°, 14%, 70%
HSV	68°, 11%, 74%
XYZ	45.5206, 49.6614, 44.2380
YIQ	185.7090, 4.9530, -7.1670

Conversions

Conversions Part 2

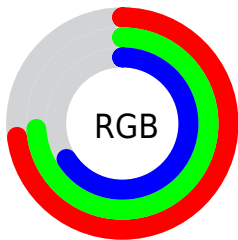
Format	Color
RYB	168, 189, 171
Decimal	12238248
CIELab	75.86, -4.76, 10.25
CIELCh	76, 11.302, 114.895
Yxy	49.6614, 0.3265, 0.3562
Android (android.graphics.Color)	4290428328 (0xFFBABDA8)
YUV	185.7090, -8.7305, 0.2552
Hunter-Lab	70.4708, -8.0219, 12.1104

Details

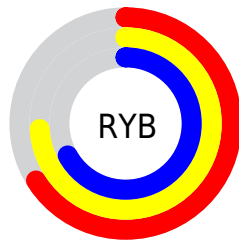
The Yxy color $49.6614, 0.3265, 0.3562$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.3401, 0.2980, 0.3007$, and the grayscale version is $48.9826, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.5098, 0.3241, 0.3512$, and $23.8558, 0.3304, 0.3644$ is the 20% darker color. If you saturate the color by 10%, you get $48.6775, 0.3391, 0.3817$, and if you desaturate by 10%, it is $50.7583, 0.3141, 0.3316$.

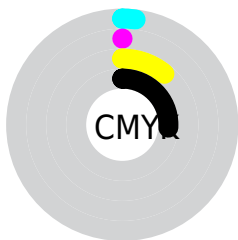
Distribution



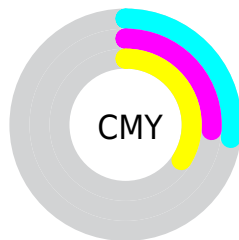
- Red (73%)
- Green (74%)
- Blue (66%)



- Red (66%)
- Yellow (74%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (26%)




- Cyan (27%)
- Magenta (26%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6614, 0.3265, 0.3562 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 49.6614, 0.3265, 0.3562 by changing the saturation by 10% instead.

 49.6614, 0.3265,
0.3562


 49.6614, 0.3265,
0.3562


385.3403, 0.3197,
0.3426

 35.1444, 0.3281,
0.3596


 89.6730, 0.3241,
0.3513

 23.7742, 0.3302,
0.3639


 115.9364, 0.3232,
0.3494

 15.1662, 0.3330,
0.3697


146.8841, 0.3224,
0.3478

 8.9361, 0.3367,
0.3778

182.9004, 0.3217,
0.3465

 4.6995, 0.3420,
0.3899

224.3698, 0.3211,
0.3453

 2.0721, 0.3503,
0.4097

271.6767, 0.3206,

 0.6488, 0.4355,

0.3443

0.5645

325.2054, 0.3202,
0.3434

0.0000, 0.0000,
0.0000

49.6614, 0.3265,
0.3562

49.6614, 0.3265,
0.3562

48.6775, 0.3391,
0.3817

50.7583, 0.3141,
0.3316

47.7957, 0.3515,
0.4076

51.9659, 0.3021,
0.3084

47.0133, 0.3633,
0.4330

53.2902, 0.2907,
0.2869

46.3253, 0.3738,
0.4569

54.7350, 0.2801,
0.2670

45.7260, 0.3826,
0.4784

55.8106, 0.2749,
0.2561

■ 45.2091, 0.3892,
0.4964

■ 56.1807, 0.2767,
0.2565

■ 44.7676, 0.3933,
0.5102

■ 56.5573, 0.2786,
0.2568

■ 44.3928, 0.3948,
0.5196

■ 56.9404, 0.2805,
0.2572

■ 44.1008, 0.3945,
0.5249

■ 57.3300, 0.2824,
0.2576

Harmonies

Analogous

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



49.6614, 0.3384, 0.3533



49.6614, 0.3265, 0.3562



49.6614, 0.3112, 0.3514

Triad

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



49.6614, 0.3265, 0.3562



49.6614, 0.2831, 0.3130



49.6614, 0.3289, 0.3181

Complementary

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



49.6614, 0.3265, 0.3562



40.3401, 0.2980, 0.3007

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.



49.6614, 0.3137, 0.3080



49.6614, 0.3265, 0.3562



49.6614, 0.2875, 0.3048

Square

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



49.6614, 0.3265, 0.3562



49.6614, 0.2863, 0.3259



49.6614, 0.2986, 0.3031



49.6614, 0.3398, 0.3311

Rectangle

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



49.6614, 0.3265, 0.3562



49.6614, 0.3011, 0.3444



49.6614, 0.2986, 0.3031



49.6614, 0.3241, 0.3143

Sweetspot

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



49.6636, 0.3265, 0.3562



90.5153, 0.3165, 0.3363



42.7004, 0.3318, 0.3327



19.4300, 0.3175, 0.3383



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.



49.6636, 0.3265, 0.3562



88.5638, 0.3292, 0.3615



48.4172, 0.3178, 0.3569



11.0502, 0.3243, 0.3518



29.6990, 0.3949, 0.5247



1.1824, 0.4011, 0.5197

Inverse Universe

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



40.3401, 0.2980, 0.3007



68.9822, 0.2950, 0.2949



41.5445, 0.3071, 0.3015



9.2884, 0.3005, 0.3054



2.6470, 0.1562, 0.0634



0.1248, 0.1745, 0.0735

Previews

White Background



This preview shows how the Yxy color 49.6614, 0.3265, 0.3562 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 49.6614, 0.3265, 0.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

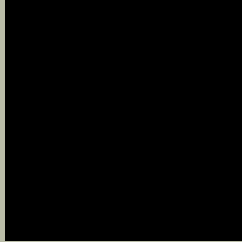
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

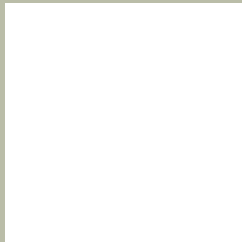
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6614, 0.3265, 0.3562

Background



This preview shows how black text looks on a background with the Yxy color 49.6614, 0.3265, 0.3562.



This preview shows how white text looks on a background with the Yxy color 49.6614, 0.3265, 0.3562.

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

49.6614, 0.3265, 0.3562

Protanopia

49.5099, 0.3356, 0.3532

Deuteranopia

49.3937, 0.3485, 0.3413



Tritanopia

49.4809, 0.3070, 0.3104

Trichromacy



Original Color

49.6614, 0.3265, 0.3562

Protanomaly

49.5371, 0.3328, 0.3546

Deuteranomaly

49.2881, 0.3406, 0.3465

Tritanomaly

49.5675, 0.3137, 0.3265

Monochromacy



Original Color

49.6614, 0.3265, 0.3562

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.2344, 0.3181, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6614, 0.3265, 0.3562 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(186, 189, 168)` looks like.

```
.text, #text, p{  
    color:rgb(186, 189, 168)  
}
```

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(186, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 189, 168) }
```

Border

The CSS property to change the border of an element to Yxy 49.6614, 0.3265, 0.3562 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(186, 189, 168) }
```

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

```
.border{ border-color:rgb(186, 189, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 189, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 189, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 189, 168);  
box-shadow:4px 4px 4px 4px rgb(186, 189,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6614, 0.3265, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 189, 168) }
```

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

```
.background{ background-color: rgb(186,  
189, 168) }
```

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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