

Converting Colors

$Yxy(47.6978, 0.3283, 0.3776)$

Have a look what the booklet for
Yxy(47.6978, 0.3283, 0.3776)
contains.

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Color

Yxy(47.6938, 0.3279, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	AEBD99
RGB	174, 189, 153
RGB Percent	68%, 74%, 60%
CMY	0.3178, 0.2588, 0.4001
CMYK	0.08, 0.00, 0.19, 0.26
HSL	85°, 21%, 67%
HSV	85°, 19%, 74%
XYZ	41.3944, 47.6938, 37.1527
YIQ	180.4110, 2.6160, -14.3760

Conversions

Conversions Part 2

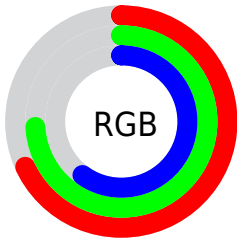
Format	Color
RYB	153, 189, 168
Decimal	11451801
CIELab	74.63, -11.65, 16.50
CIELCh	75, 20.204, 125.227
Yxy	47.6938, 0.3279, 0.3778
Android (android.graphics.Color)	4289641881 (0xFFAEBD99)
YUV	180.4110, -13.5136, -5.6224
Hunter-Lab	69.0607, -13.8649, 16.4462

Details

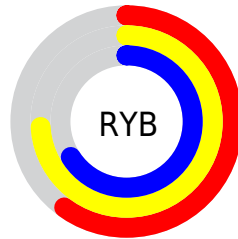
The Yxy color **47.6938, 0.3279, 0.3778** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.7811, 0.2952, 0.2795**, and the grayscale version is **45.9440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6328, 0.3259, 0.3688**, and **22.6326, 0.3311, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **46.2395, 0.3356, 0.4057**, and if you desaturate by 10%, it is **49.3046, 0.3199, 0.3514**.

Distribution



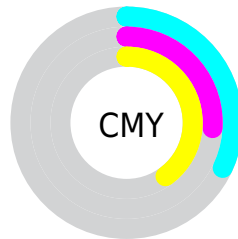
- Red (68%)
- Green (74%)
- Blue (60%)



- Red (60%)
- Yellow (74%)
- Blue (66%)



- Cyan (8%)
- Magenta (0%)
- Yellow (19%)
- Black (26%)




- Cyan (32%)
- Magenta (26%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6938, 0.3279, 0.3778 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 47.6938, 0.3279, 0.3778 by changing the saturation by 10% instead.

 47.6938, 0.3279,
0.3778


 47.6938, 0.3279,
0.3778


377.5771, 0.3206,
0.3530

 33.5845, 0.3296,
0.3841


 86.7483, 0.3253,
0.3687

 22.5746, 0.3317,
0.3923


 112.4623, 0.3244,
0.3653

 14.2797, 0.3343,
0.4034


142.8133, 0.3235,
0.3624

 8.3154, 0.3378,
0.4190

178.1857, 0.3228,
0.3600

 4.2975, 0.3422,
0.4426

218.9639, 0.3221,
0.3579

 1.8413, 0.3511,
0.4874

265.5322, 0.3216,

 0.5127, 0.2835,

0.3560

0.7165

318.2752, 0.3211,
0.3544

0.0000, 0.0000,
0.0000

47.6938, 0.3279,
0.3778

47.6938, 0.3279,
0.3778

46.2395, 0.3356,
0.4057

49.3046, 0.3199,
0.3514

44.9298, 0.3426,
0.4343

51.0709, 0.3120,
0.3268

43.7609, 0.3485,
0.4628

52.9996, 0.3042,
0.3042

42.7264, 0.3528,
0.4899

55.0955, 0.2968,
0.2838

41.8191, 0.3552,
0.5143

57.3632, 0.2898,
0.2654

■ 41.0312, 0.3552,
0.5346

■ 59.0511, 0.2906,
0.2593

■ 40.3535, 0.3530,
0.5500

■ 60.3231, 0.2964,
0.2605

■ 39.7705, 0.3487,
0.5607

■ 61.6544, 0.3023,
0.2616

■ 39.7190, 0.3483,
0.5616

■ 63.0455, 0.3082,
0.2629

Harmonies

Analogous

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



47.6938, 0.3527, 0.3763



47.6938, 0.3279, 0.3778



47.6938, 0.2998, 0.3644

Triad

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



47.6938, 0.3279, 0.3778



47.6938, 0.2611, 0.2933



47.6938, 0.3502, 0.3169

Complementary

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



47.6938, 0.3279, 0.3778



34.7811, 0.2952, 0.2795

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.



47.6938, 0.3240, 0.2971



47.6938, 0.3279, 0.3778



47.6938, 0.2731, 0.2833

Square

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



47.6938, 0.3279, 0.3778



47.6938, 0.2621, 0.3139



47.6938, 0.2958, 0.2849



47.6938, 0.3661, 0.3402

Rectangle

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



47.6938, 0.3279, 0.3778



47.6938, 0.2831, 0.3490



47.6938, 0.2958, 0.2849



47.6938, 0.3422, 0.3096

Sweetspot

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



47.6959, 0.3279, 0.3778



89.1951, 0.3176, 0.3439



41.1246, 0.3459, 0.3491



19.1377, 0.3181, 0.3455



95.5105, 0.3127, 0.3290



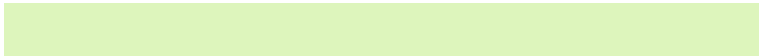
19.5994, 0.3127, 0.3290

Same Dimension

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



47.6959, 0.3279, 0.3778



84.2504, 0.3313, 0.3897



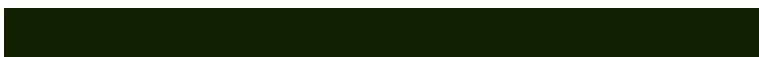
45.7686, 0.3128, 0.3801



10.9164, 0.3202, 0.3521



26.7643, 0.3492, 0.5610



1.0860, 0.3659, 0.5477

Inverse Universe

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



34.7811, 0.2952, 0.2795



56.7603, 0.2905, 0.2672



36.8925, 0.3120, 0.2820



9.4149, 0.3047, 0.3057



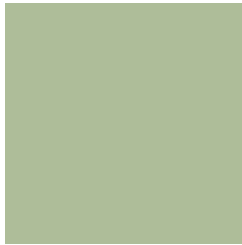
3.6330, 0.1886, 0.0812



0.1808, 0.2168, 0.0968

Previews

White Background



This preview shows how the Yxy color 47.6938, 0.3279, 0.3778 looks on a white background.

Color Contrast Check

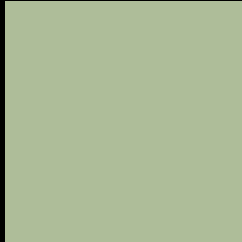
Large Text (above 18pt) WCAG AA × Fail

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 47.6938, 0.3279, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

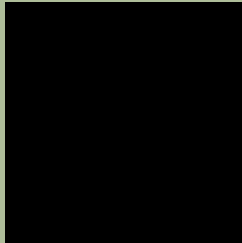
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

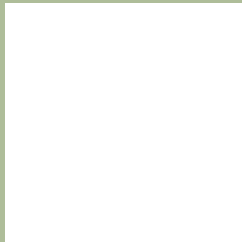
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6938, 0.3279, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 47.6938, 0.3279, 0.3778.



This preview shows how white text looks on a background with the Yxy color 47.6938, 0.3279, 0.3778.

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

47.6938, 0.3279, 0.3778

Protanopia

47.5383, 0.3494, 0.3717

Deuteranopia

47.2999, 0.3619, 0.3537



Tritanopia

47.6015, 0.2995, 0.3111

Trichromacy



Original Color

47.6938, 0.3279, 0.3778

Protanomaly

47.4971, 0.3417, 0.3737

Deuteranomaly

47.4201, 0.3493, 0.3623

Tritanomaly

47.4991, 0.3100, 0.3342

Monochromacy



Original Color

47.6938, 0.3279, 0.3778

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2342, 0.3187, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6938, 0.3279, 0.3778 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(174, 189, 153)` looks like.

```
.text, #text, p{  
    color:rgb(174, 189, 153)  
}
```

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(174, 189, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 189, 153) }
```

Border

The CSS property to change the border of an element to Yxy 47.6938, 0.3279, 0.3778 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(174, 189, 153) }
```

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

```
.border{ border-color:rgb(174, 189, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 189, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 189, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 189, 153);  
box-shadow:4px 4px 4px 4px rgb(174, 189,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6938, 0.3279, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 189, 153) }
```

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

```
.background{ background-color: rgb(174,  
189, 153) }
```

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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