

Converting Colors

$Y_{xy}(49.6289, 0.3487, 0.3901)$

Have a look what the booklet for
Yxy(49.6289, 0.3487, 0.3901)
contains.

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Color

Yxy(49.6289, 0.3487, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	BDBE8F
RGB	189, 190, 143
RGB Percent	74%, 75%, 56%
CMY	0.2587, 0.2549, 0.4392
CMYK	0.01, 0.00, 0.25, 0.25
HSL	61°, 27%, 65%
HSV	61°, 25%, 75%
XYZ	44.3620, 49.6289, 33.2301
YIQ	184.3430, 14.4910, -14.8290

Conversions

Conversions Part 2

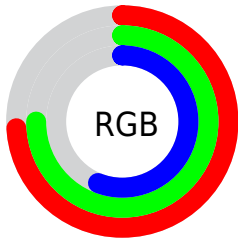
Format	Color
RYB	143, 190, 144
Decimal	12435087
CIELab	75.84, -8.02, 23.69
CIELCh	76, 25.012, 108.699
Yxy	49.6289, 0.3487, 0.3901
Android (android.graphics.Color)	4290625167 (0xFFBDBE8F)
YUV	184.3430, -20.3821, 4.0842
Hunter-Lab	70.4478, -10.8797, 21.3464

Details

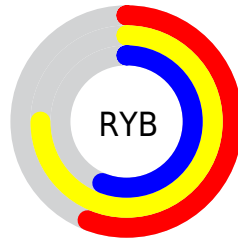
The Yxy color $49.6289, 0.3487, 0.3901$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $29.2927, 0.2718, 0.2600$, and the grayscale version is $48.2441, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.5356, 0.3428, 0.3787$, and $23.8149, 0.3579, 0.4084$ is the 20% darker color. If you saturate the color by 10%, you get $49.0527, 0.3631, 0.4147$, and if you desaturate by 10%, it is $50.3072, 0.3340, 0.3651$.

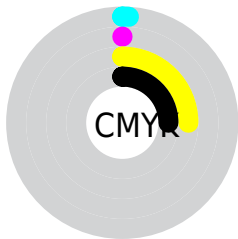
Distribution



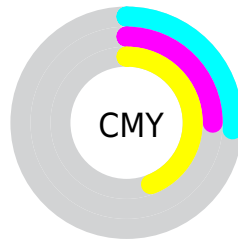
- Red (74%)
- Green (75%)
- Blue (56%)



- Red (56%)
- Yellow (75%)
- Blue (56%)



- Cyan (1%)
- Magenta (0%)
- Yellow (25%)
- Black (25%)





- Cyan (26%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6289, 0.3487, 0.3901 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 49.6289, 0.3487, 0.3901 by changing the saturation by 10% instead.


 49.6289, 0.3487,
0.3901


 49.6289, 0.3487,
0.3901


385.2129, 0.3313,
0.3595

 35.1186, 0.3528,
0.3977

 89.6248, 0.3425,
0.3790

 23.7543, 0.3579,
0.4074


 115.8792, 0.3402,
0.3748

 15.1514, 0.3645,
0.4202


146.8171, 0.3382,
0.3713

 8.9257, 0.3729,
0.4378

182.8229, 0.3364,
0.3682

 4.6928, 0.3841,
0.4632

224.2810, 0.3349,
0.3656

 2.0682, 0.4141,
0.5220

271.5758, 0.3335,

 0.6466, 0.3931,

0.3633

0.6069

325.0916, 0.3324,
0.3613

0.0000, 0.0000,
0.0000

49.6289, 0.3487,
0.3901

49.6289, 0.3487,
0.3901

49.0527, 0.3631,
0.4147

50.3072, 0.3340,
0.3651

48.5671, 0.3767,
0.4381

51.0855, 0.3194,
0.3404

48.1689, 0.3888,
0.4591

51.9703, 0.3054,
0.3166

47.8522, 0.3990,
0.4770

52.9656, 0.2921,
0.2942

47.6104, 0.4068,
0.4910

54.0753, 0.2797,
0.2734

■ 47.4360, 0.4121,
0.5007

■ 55.1732, 0.2695,
0.2561

■ 47.3196, 0.4149,
0.5062

■ 55.2245, 0.2697,
0.2562

■ 47.2715, 0.4157,
0.5081

■ 55.2761, 0.2700,
0.2562

■ 55.3277, 0.2703,
0.2563

Harmonies

Analogous

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



49.6289, 0.3731, 0.3783



49.6289, 0.3487, 0.3901



49.6289, 0.3155, 0.3840

Triad

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



49.6289, 0.3487, 0.3901



49.6289, 0.2489, 0.2976



49.6289, 0.3417, 0.3002

Complementary

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



49.6289, 0.3487, 0.3901



29.2927, 0.2718, 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.



49.6289, 0.3070, 0.2810



49.6289, 0.3487, 0.3901



49.6289, 0.2548, 0.2783

Square

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



49.6289, 0.3487, 0.3901



49.6289, 0.2587, 0.3276



49.6289, 0.2755, 0.2729



49.6289, 0.3694, 0.3265

Rectangle

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



49.6289, 0.3487, 0.3901



49.6289, 0.2930, 0.3698



49.6289, 0.2755, 0.2729



49.6289, 0.3304, 0.2928

Sweetspot

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



49.6311, 0.3487, 0.3901



92.2234, 0.3229, 0.3462



32.8135, 0.3637, 0.3302



20.2319, 0.3238, 0.3477



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.



49.6311, 0.3487, 0.3901



89.3167, 0.3571, 0.4044



46.8862, 0.3283, 0.3943



11.1102, 0.3261, 0.3517



31.4381, 0.4158, 0.5081



1.2347, 0.4167, 0.5074

Inverse Universe

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



29.2927, 0.2718, 0.2600



45.7576, 0.2606, 0.2412



31.6115, 0.2934, 0.2641



9.2346, 0.2987, 0.3053



2.4933, 0.1508, 0.0604



0.1009, 0.1538, 0.0621

Previews

White Background



This preview shows how the Yxy color 49.6289, 0.3487, 0.3901 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 49.6289, 0.3487, 0.3901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

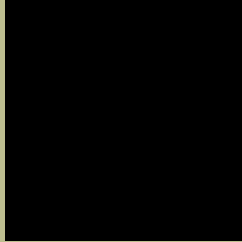
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

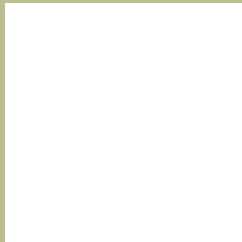
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6289, 0.3487, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 49.6289, 0.3487, 0.3901.



This preview shows how white text looks on a background with the Yxy color 49.6289, 0.3487, 0.3901.

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

49.6289, 0.3487, 0.3901

Protanopia

49.7431, 0.3611, 0.3871

Deuteranopia

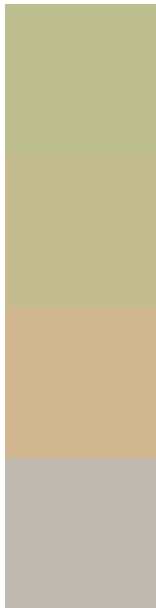
49.3446, 0.3780, 0.3698



Tritanopia

49.6340, 0.3127, 0.3118

Trichromacy



Original Color

49.6289, 0.3487, 0.3901

Protanomaly

49.6552, 0.3563, 0.3878

Deuteranomaly

49.2905, 0.3673, 0.3773

Tritanomaly

49.6296, 0.3257, 0.3404

Monochromacy



Original Color

49.6289, 0.3487, 0.3901

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.4215, 0.3261, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6289, 0.3487, 0.3901 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(189, 190, 143)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 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(189, 190, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 143) }
```

Border

The CSS property to change the border of an element to Yxy 49.6289, 0.3487, 0.3901 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(189, 190, 143) }
```

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

```
.border{ border-color:rgb(189, 190, 143) }
```

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

Here you see how a box with a 4 pixel rgb(189, 190, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 143);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6289, 0.3487, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 143) }
```

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

```
.background{ background-color: rgb(189,  
190, 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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