

Converting Colors

$Yxy(46.5861, 0.3288, 0.3799)$

Have a look what the booklet for
Yxy(46.5861, 0.3288, 0.3799)
contains.

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Color

Yxy(46.5133, 0.3289, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	ACBB96
RGB	172, 187, 150
RGB Percent	67%, 73%, 59%
CMY	0.3254, 0.2667, 0.4119
CMYK	0.08, 0.00, 0.20, 0.27
HSL	84°, 21%, 66%
HSV	84°, 20%, 73%
XYZ	40.2903, 46.5133, 35.6965
YIQ	178.2970, 2.9370, -14.6870

Conversions

Conversions Part 2

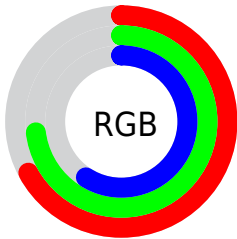
Format	Color
RYB	150, 187, 165
Decimal	11320214
CIELab	73.88, -11.80, 17.05
CIELCh	74, 20.741, 124.688
Yxy	46.5133, 0.3289, 0.3797
Android (android.graphics.Color)	4289510294 (0xFFACBB96)
YUV	178.2970, -13.9504, -5.5225
Hunter-Lab	68.2007, -13.9003, 16.7078

Details

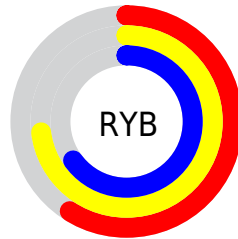
The Yxy color $46.5133, 0.3289, 0.3797$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $33.3861, 0.2939, 0.2774$, and the grayscale version is $44.7621, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.9548, 0.3266, 0.3702$, and $21.8730, 0.3324, 0.3954$ is the 20% darker color. If you saturate the color by 10%, you get $45.1284, 0.3368, 0.4075$, and if you desaturate by 10%, it is $48.0471, 0.3207, 0.3532$.

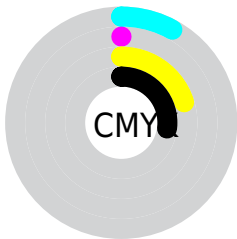
Distribution



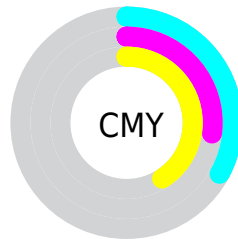
- Red (67%)
- Green (73%)
- Blue (59%)



- Red (59%)
- Yellow (73%)
- Blue (65%)



- Cyan (8%)
- Magenta (0%)
- Yellow (20%)
- Black (27%)





- Cyan (33%)
- Magenta (27%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5133, 0.3289, 0.3797 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 46.5133, 0.3289, 0.3797 by changing the saturation by 10% instead.


 46.5133, 0.3289,
0.3797


 46.5133, 0.3289,
0.3797


372.8685, 0.3211,
0.3538

 32.6511, 0.3307,
0.3863


 84.9867, 0.3262,
0.3701

 21.8593, 0.3330,
0.3950


 110.3666, 0.3251,
0.3666

 13.7535, 0.3358,
0.4066


140.3546, 0.3242,
0.3636

 7.9494, 0.3395,
0.4231

175.3349, 0.3234,
0.3611

 4.0626, 0.3442,
0.4483

215.6921, 0.3227,
0.3589

 1.7087, 0.3573,
0.5016

261.8105, 0.3221,

 0.4292, 0.2182,

0.3570

0.7818

314.0745, 0.3216,
0.3553

0.0000, 0.0000,
0.0000

46.5133, 0.3289,
0.3797

46.5133, 0.3289,
0.3797

45.1284, 0.3368,
0.4075

48.0471, 0.3207,
0.3532

43.8810, 0.3439,
0.4360

49.7288, 0.3126,
0.3285

42.7674, 0.3500,
0.4642

51.5651, 0.3046,
0.3058

41.7813, 0.3544,
0.4909

53.5606, 0.2969,
0.2852

40.9159, 0.3568,
0.5148

55.7196, 0.2897,
0.2666

■ 40.1635, 0.3569,
0.5346

■ 57.5756, 0.2876,
0.2565

■ 39.5152, 0.3546,
0.5494

■ 58.7644, 0.2932,
0.2577

■ 38.9543, 0.3505,
0.5598

■ 60.0071, 0.2988,
0.2589

■ 38.9436, 0.3504,
0.5600

■ 61.3043, 0.3045,
0.2600

Harmonies

Analogous

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



46.5133, 0.3544, 0.3778



46.5133, 0.3289, 0.3797



46.5133, 0.2999, 0.3661

Triad

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



46.5133, 0.3289, 0.3797



46.5133, 0.2592, 0.2924



46.5133, 0.3511, 0.3160

Complementary

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



46.5133, 0.3289, 0.3797



33.3861, 0.2939, 0.2774

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.



46.5133, 0.3239, 0.2957



46.5133, 0.3289, 0.3797



46.5133, 0.2714, 0.2818

Square

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



46.5133, 0.3289, 0.3797



46.5133, 0.2605, 0.3137



46.5133, 0.2947, 0.2833



46.5133, 0.3679, 0.3401

Rectangle

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



46.5133, 0.3289, 0.3797



46.5133, 0.2824, 0.3502



46.5133, 0.2947, 0.2833



46.5133, 0.3428, 0.3086

Sweetspot

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



46.5153, 0.3289, 0.3797



87.1351, 0.3177, 0.3439



39.5985, 0.3475, 0.3491



19.1459, 0.3182, 0.3455



95.5105, 0.3127, 0.3290



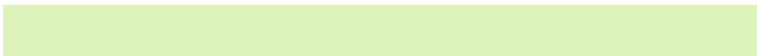
19.5994, 0.3127, 0.3290

Same Dimension

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



46.5153, 0.3289, 0.3797



82.1369, 0.3326, 0.3923



44.5804, 0.3133, 0.3822



10.9228, 0.3204, 0.3521



26.8752, 0.3512, 0.5593



1.0900, 0.3675, 0.5464

Inverse Universe

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



33.3861, 0.2939, 0.2774



54.1087, 0.2888, 0.2642



35.4958, 0.3114, 0.2800



9.4087, 0.3045, 0.3057



3.5605, 0.1863, 0.0800



0.1777, 0.2147, 0.0956

Previews

White Background



This preview shows how the Yxy color 46.5133, 0.3289, 0.3797 looks on a white background.

Color Contrast Check

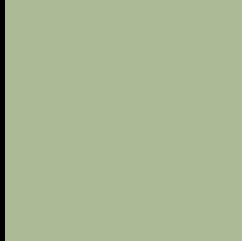
Large Text (above 18pt) WCAG AA × Fail

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 46.5133, 0.3289, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

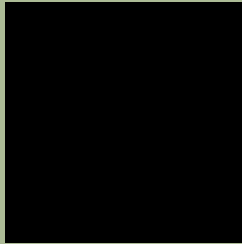
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

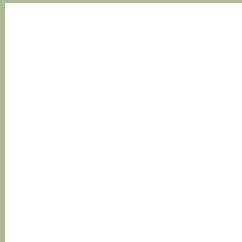
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5133, 0.3289, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 46.5133, 0.3289, 0.3797.



This preview shows how white text looks on a background with the Yxy color 46.5133, 0.3289, 0.3797.

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

46.5133, 0.3289, 0.3797

Protanopia

46.3608, 0.3506, 0.3734

Deuteranopia

46.1273, 0.3633, 0.3552



Tritanopia

46.5716, 0.3002, 0.3109

Trichromacy



Original Color

46.5133, 0.3289, 0.3797

Protanomaly

46.3194, 0.3429, 0.3756

Deuteranomaly

46.2430, 0.3506, 0.3639

Tritanomaly

46.3518, 0.3099, 0.3343

Monochromacy



Original Color

46.5133, 0.3289, 0.3797

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1050, 0.3188, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5133, 0.3289, 0.3797 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(172, 187, 150)` looks like.

```
.text, #text, p{  
    color:rgb(172, 187, 150)  
}
```

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(172, 187, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 187, 150) }
```

Border

The CSS property to change the border of an element to Yxy 46.5133, 0.3289, 0.3797 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(172, 187, 150) }
```

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

```
.border{ border-color:rgb(172, 187, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 187, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 187, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 187, 150);  
box-shadow:4px 4px 4px 4px rgb(172, 187,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5133, 0.3289, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 187, 150) }
```

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

```
.background{ background-color: rgb(172,  
187, 150) }
```

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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