

Converting Colors

$Y_{xy}(46.8190, 0.3326, 0.3365)$

Have a look what the booklet for
Yxy(46.8190, 0.3326, 0.3365)
contains.

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Color

Yxy(46.9931, 0.3326, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	C4B3AD
RGB	196, 179, 173
RGB Percent	77%, 70%, 68%
CMY	0.2315, 0.2980, 0.3216
CMYK	0.00, 0.09, 0.12, 0.23
HSL	16°, 16%, 72%
HSV	16°, 12%, 77%
XYZ	46.4209, 46.9931, 46.1557
YIQ	183.3990, 12.0580, 1.7380

Conversions

Conversions Part 2

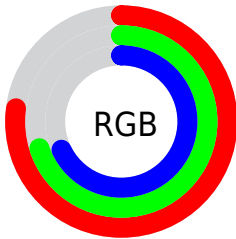
Format	Color
R_{YB}	196, 181, 173
Decimal	12891053
CIE Lab	74.19, 5.03, 5.25
CIE LCh	74, 7.270, 46.255
Yxy	46.9931, 0.3326, 0.3367
Android (android.graphics.Color)	4291081133 (0xFFC4B3AD)
YUV	183.3990, -5.1267, 11.0511
Hunter-Lab	68.5515, 0.9093, 8.0661

Details

The Yxy color `46.9931, 0.3326, 0.3367` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `49.6708, 0.2948, 0.3212`, and the grayscale version is `47.6070, 0.3127, 0.3290`.

A 20% lighter version of the original color is `85.9007, 0.3294, 0.3360`, and `22.0530, 0.3379, 0.3377` is the 20% darker color. If you saturate the color by 10%, you get `40.7952, 0.3532, 0.3437`, and if you desaturate by 10%, it is `53.9142, 0.3154, 0.3301`.

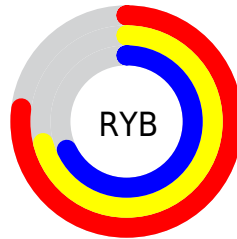
Distribution



Red (77%)

Green (70%)

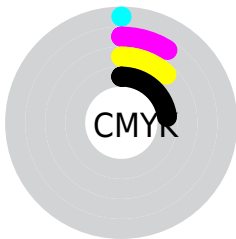
Blue (68%)



Red (77%)

Yellow (71%)

Blue (68%)

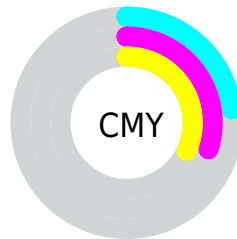


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (23%)



Cyan (23%)


Magenta (30%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9931, 0.3326, 0.3367 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 46.9931, 0.3326, 0.3367 by changing the saturation by 10% instead.

 46.9931, 0.3326,
0.3367

 46.9931, 0.3326,
0.3367

374.7870, 0.3226,
0.3329

 33.0302, 0.3351,
0.3376


 85.7033, 0.3290,
0.3353

 22.1496, 0.3383,
0.3388


111.2194, 0.3276,
0.3348

 13.9669, 0.3426,
0.3403


141.3554, 0.3265,
0.3344

 8.0976, 0.3487,
0.3424

176.4956, 0.3255,
0.3340

 4.1575, 0.3577,
0.3454

217.0245, 0.3246,
0.3337

 1.7620, 0.3728,
0.3501

263.3264, 0.3239,

 0.4633, 0.4839,

0.3334

0.3981

315.7858, 0.3232,
0.3332

0.0000, 0.0000,
0.0000

46.9931, 0.3326,
0.3367

46.9931, 0.3326,
0.3367

40.7952, 0.3532,
0.3437

53.9142, 0.3154,
0.3301

35.2909, 0.3776,
0.3510

61.5748, 0.3010,
0.3240

30.4575, 0.4063,
0.3581

69.9982, 0.2889,
0.3184

26.2686, 0.4394,
0.3645

79.2049, 0.2787,
0.3133

22.6964, 0.4761,
0.3694

88.1424, 0.2780,
0.3250

■ 19.7105, 0.5147,
0.3716

■ 90.4714, 0.2783,
0.3289

■ 17.2780, 0.5522,
0.3701

■ 15.3622, 0.5844,
0.3642

■ 14.1316, 0.6057,
0.3573

Harmonies

Analogous

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



46.9931, 0.3288, 0.3280



46.9931, 0.3326, 0.3367



46.9931, 0.3310, 0.3436

Triad

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



46.9931, 0.3326, 0.3367



46.9931, 0.3047, 0.3387



46.9931, 0.3010, 0.3118

Complementary

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



46.9931, 0.3326, 0.3367



49.6708, 0.2948, 0.3212

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.



46.9931, 0.2947, 0.3143



46.9931, 0.3326, 0.3367



46.9931, 0.2969, 0.3298

Square

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



46.9931, 0.3326, 0.3367



46.9931, 0.3147, 0.3449



46.9931, 0.2933, 0.3208



46.9931, 0.3104, 0.3137

Rectangle

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



46.9931, 0.3326, 0.3367



46.9931, 0.3270, 0.3462



46.9931, 0.2933, 0.3208



46.9931, 0.2985, 0.3121

Sweetspot

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



46.9952, 0.3326, 0.3367



94.6521, 0.3191, 0.3316



45.3439, 0.3188, 0.3075



20.0495, 0.3204, 0.3321



0.0000, 0.0000, 0.0000



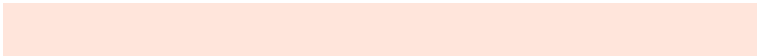
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9952, 0.3326, 0.3367



82.2401, 0.3374, 0.3384



51.6723, 0.3309, 0.3506



10.4977, 0.3283, 0.3351



9.2047, 0.6033, 0.3592



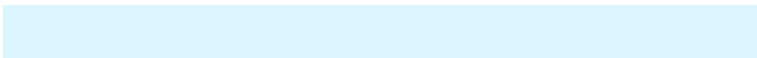
0.5145, 0.5579, 0.3952

Inverse Universe

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



49.6708, 0.2948, 0.3212



88.0203, 0.2910, 0.3194



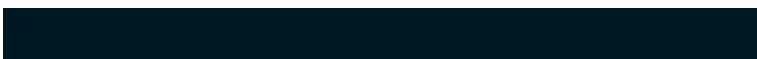
45.0028, 0.2945, 0.3064



10.9671, 0.2984, 0.3228



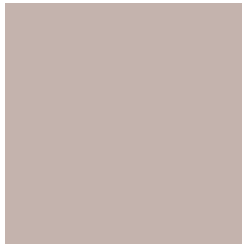
15.6445, 0.2007, 0.2426



0.7830, 0.2067, 0.2641

Previews

White Background



This preview shows how the Yxy color 46.9931, 0.3326, 0.3367 looks on a white background.

Color Contrast Check

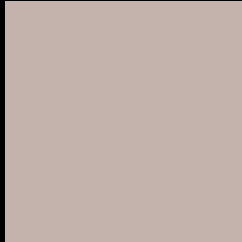
Large Text (above 18pt) WCAG AA × Fail

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 46.9931, 0.3326, 0.3367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

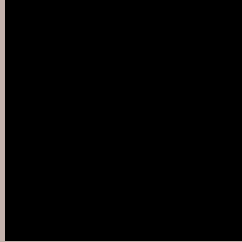
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9931, 0.3326, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 46.9931, 0.3326, 0.3367.



This preview shows how white text looks on a background with the Yxy color 46.9931, 0.3326, 0.3367.

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

46.9931, 0.3326, 0.3367

Protanopia

47.2033, 0.3243, 0.3394

Deuteranopia

46.8032, 0.3386, 0.3316



Tritanopia

46.7741, 0.3205, 0.3116

Trichromacy



Original Color

46.9931, 0.3326, 0.3367

Protanomaly

47.1801, 0.3271, 0.3380

Deuteranomaly

46.7796, 0.3357, 0.3328

Tritanomaly

46.7753, 0.3245, 0.3203

Monochromacy



Original Color

46.9931, 0.3326, 0.3367

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4019, 0.3203, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9931, 0.3326, 0.3367 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(196, 179, 173)` looks like.

```
.text, #text, p{  
    color:rgb(196, 179, 173)  
}
```

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(196, 179, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 179, 173) }
```

Border

The CSS property to change the border of an element to Yxy 46.9931, 0.3326, 0.3367 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(196, 179, 173) }
```

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

```
.border{ border-color:rgb(196, 179, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 179, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 179, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 179, 173);  
box-shadow:4px 4px 4px 4px rgb(196, 179,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9931, 0.3326, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 179, 173) }
```

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

```
.background{ background-color: rgb(196,  
179, 173) }
```

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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