

Converting Colors

$Y_{xy}(46.8278, 0.33335, 0.33376)$

Have a look what the booklet for
Yxy(46.8278, 0.3335, 0.3376)
contains.

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Color

Yxy(46.9545, 0.3335, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	C4B3AC
RGB	196, 179, 172
RGB Percent	77%, 70%, 67%
CMY	0.2314, 0.2980, 0.3256
CMYK	0.00, 0.09, 0.12, 0.23
HSL	18°, 17%, 72%
HSV	18°, 12%, 77%
XYZ	46.3294, 46.9545, 45.6348
YIQ	183.2850, 12.3790, 1.4270

Conversions

Conversions Part 2

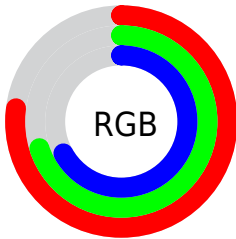
Format	Color
R _{YB}	196, 182, 172
Decimal	12891052
CIE Lab	74.16, 4.87, 5.78
CIE LCh	74, 7.559, 49.842
Yxy	46.9545, 0.3335, 0.3380
Android (android.graphics.Color)	4291081132 (0xFFC4B3AC)
YUV	183.2850, -5.5635, 11.1511
Hunter-Lab	68.5234, 0.7699, 8.4807

Details

The Yxy color **46.9545, 0.3335, 0.3380** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.1329, 0.2940, 0.3198**, and the grayscale version is **47.5447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8454, 0.3301, 0.3370**, and **22.0286, 0.3391, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **40.9784, 0.3540, 0.3458**, and if you desaturate by 10%, it is **53.6043, 0.3162, 0.3306**.

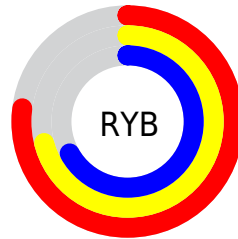
Distribution



Red (77%)

Green (70%)

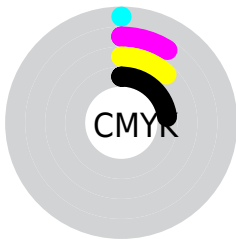
Blue (67%)



Red (77%)

Yellow (71%)

Blue (67%)

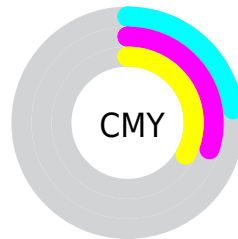


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (23%)



Cyan (23%)


Magenta (30%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9545, 0.3335, 0.3380 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 46.9545, 0.3335, 0.3380 by changing the saturation by 10% instead.


 46.9545, 0.3335,
0.3380

 46.9545, 0.3335,
0.3380

374.6329, 0.3231,
0.3336

 32.9997, 0.3361,
0.3391


 85.6457, 0.3297,
0.3364

 22.1262, 0.3395,
0.3404

111.1509, 0.3283,
0.3358

 13.9497, 0.3440,
0.3422

141.2750, 0.3271,
0.3353

 8.0857, 0.3503,
0.3447

176.4024, 0.3260,
0.3349

 4.1498, 0.3598,
0.3483

216.9175, 0.3252,
0.3345

 1.7577, 0.3756,
0.3538

263.2046, 0.3244,

 0.4606, 0.4993,

0.3342

0.4131

315.6483, 0.3237,
0.3339

0.0000, 0.0000,
0.0000

46.9545, 0.3335,
0.3380

46.9545, 0.3335,
0.3380

40.9784, 0.3540,
0.3458

53.6043, 0.3162,
0.3306

35.6486, 0.3782,
0.3539

60.9419, 0.3017,
0.3237

30.9447, 0.4065,
0.3618

68.9887, 0.2895,
0.3174

26.8431, 0.4388,
0.3690

77.7633, 0.2791,
0.3117

23.3183, 0.4744,
0.3744

86.2816, 0.2778,
0.3218

■ 20.3432, 0.5117,
0.3770

■ 90.4762, 0.2784,
0.3289

■ 17.8882, 0.5477,
0.3756

■ 15.9202, 0.5788,
0.3697

■ 14.7019, 0.5986,
0.3629

Harmonies

Analogous

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



46.9545, 0.3302, 0.3290



46.9545, 0.3335, 0.3380



46.9545, 0.3311, 0.3448

Triad

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



46.9545, 0.3335, 0.3380



46.9545, 0.3032, 0.3381



46.9545, 0.3016, 0.3111

Complementary

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



46.9545, 0.3335, 0.3380



49.1329, 0.2940, 0.3198

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.



46.9545, 0.2946, 0.3131



46.9545, 0.3335, 0.3380



46.9545, 0.2955, 0.3286

Square

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



46.9545, 0.3335, 0.3380



46.9545, 0.3135, 0.3450



46.9545, 0.2924, 0.3195



46.9545, 0.3116, 0.3137

Rectangle

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



46.9545, 0.3335, 0.3380



46.9545, 0.3267, 0.3471



46.9545, 0.2924, 0.3195



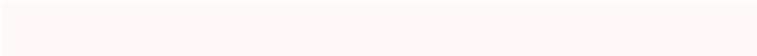
46.9545, 0.2988, 0.3112

Sweetspot

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



46.9566, 0.3335, 0.3380



94.8442, 0.3191, 0.3319



44.9119, 0.3198, 0.3074



20.0980, 0.3204, 0.3325



0.0000, 0.0000, 0.0000



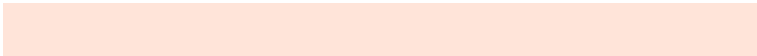
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9566, 0.3335, 0.3380



81.7167, 0.3392, 0.3403



51.8860, 0.3316, 0.3526



10.5478, 0.3282, 0.3358



9.5774, 0.5961, 0.3649



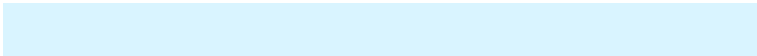
0.5365, 0.5508, 0.4008

Inverse Universe

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



49.1329, 0.2940, 0.3198



86.5138, 0.2894, 0.3174



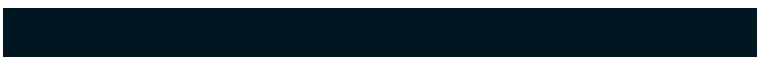
44.2668, 0.2936, 0.3042



10.9141, 0.2984, 0.3221



14.5066, 0.1977, 0.2318



0.7412, 0.2045, 0.2560

Previews

White Background



This preview shows how the Yxy color 46.9545, 0.3335, 0.3380 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 46.9545, 0.3335, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

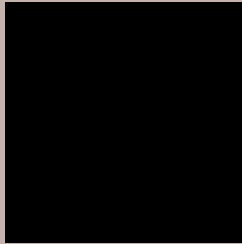
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9545, 0.3335, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 46.9545, 0.3335, 0.3380.



This preview shows how white text looks on a background with the Yxy color 46.9545, 0.3335, 0.3380.

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

46.9545, 0.3335, 0.3380

Protanopia

47.1644, 0.3251, 0.3407

Deuteranopia

46.9052, 0.3404, 0.3328



Tritanopia

46.7741, 0.3205, 0.3116

Trichromacy



Original Color

46.9545, 0.3335, 0.3380

Protanomaly

47.1412, 0.3279, 0.3393

Deuteranomaly

46.8789, 0.3375, 0.3341

Tritanomaly

46.7335, 0.3254, 0.3215

Monochromacy



Original Color

46.9545, 0.3335, 0.3380

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 46.9545, 0.3335, 0.3380 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(196, 179, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 179, 172) }
```

Border

The CSS property to change the border of an element to Yxy 46.9545, 0.3335, 0.3380 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, 172) }
```

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

```
.border{ border-color:rgb(196, 179, 172) }
```

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, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 179, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 179, 172);  
box-shadow:4px 4px 4px 4px rgb(196, 179,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9545, 0.3335, 0.3380 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, 172) }
```

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

```
.background{ background-color: rgb(196,  
179, 172) }
```

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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