

Converting Colors

$Yxy(46.4032, 0.3712, 0.3859)$

Have a look what the booklet for
Yxy(46.4032, 0.3712, 0.3859)
contains.

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Color

Yxy(46.5180, 0.3717, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	CAB386
RGB	202, 179, 134
RGB Percent	79%, 70%, 53%
CMY	0.2078, 0.2980, 0.4744
CMYK	0.00, 0.11, 0.34, 0.21
HSL	40°, 39%, 66%
HSV	40°, 34%, 79%
XYZ	44.7831, 46.5180, 29.1807
YIQ	180.7470, 28.1530, -9.1190

Conversions

Conversions Part 2

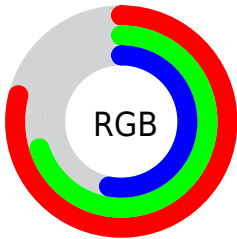
Format	Color
R _Y B	169, 202, 134
Decimal	13284230
CIE Lab	73.88, 1.66, 26.02
CIE LCh	74, 26.073, 86.360
Yxy	46.5180, 0.3717, 0.3861
Android (android.graphics.Color)	4291474310 (0xFFCAB386)
YUV	180.7470, -23.0463, 18.6389
Hunter-Lab	68.2041, -2.1534, 22.3760

Details

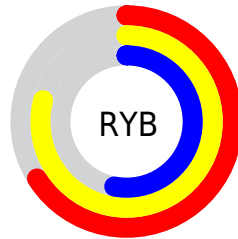
The Yxy color $46.5180, 0.3717, 0.3861$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $33.4590, 0.2571, 0.2642$, and the grayscale version is $46.1824, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.3075, 0.3573, 0.3764$, and $21.7648, 0.3882, 0.4006$ is the 20% darker color. If you saturate the color by 10%, you get $43.3363, 0.3922, 0.4031$, and if you desaturate by 10%, it is $49.9475, 0.3523, 0.3687$.

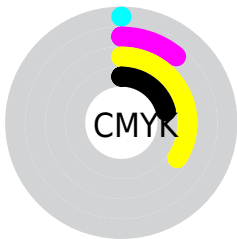
Distribution



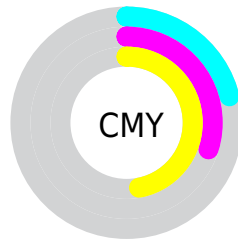
- Red (79%)
- Green (70%)
- Blue (53%)



- Red (66%)
- Yellow (79%)
- Blue (53%)



- Cyan (0%)
- Magenta (11%)
- Yellow (34%)
- Black (21%)





- Cyan (21%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5180, 0.3717, 0.3861 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 46.5180, 0.3717, 0.3861 by changing the saturation by 10% instead.


 46.5180, 0.3717,
0.3861

 46.5180, 0.3717,
0.3861


372.8873, 0.3424,
0.3579

 32.6548, 0.3788,
0.3929


 84.9937, 0.3612,
0.3760

 21.8621, 0.3879,
0.4014


 110.3750, 0.3572,
0.3722

 13.7556, 0.3996,
0.4125


 140.3644, 0.3538,
0.3689

 7.9509, 0.4153,
0.4270

175.3463, 0.3509,
0.3661

 4.0635, 0.4368,
0.4465

215.7052, 0.3483,
0.3637

 1.7092, 0.4969,
0.5031

261.8254, 0.3461,

 0.4296, 0.5109,

0.3615

0.4891

314.0913, 0.3441,
0.3596

0.0000, 0.0000,
0.0000

46.5180, 0.3717,
0.3861

46.5180, 0.3717,
0.3861

43.3363, 0.3922,
0.4031

49.9475, 0.3523,
0.3687

40.3880, 0.4134,
0.4187

53.6259, 0.3345,
0.3514

37.6664, 0.4345,
0.4319

57.5626, 0.3182,
0.3348

35.1618, 0.4544,
0.4416

61.7643, 0.3036,
0.3192

32.8634, 0.4722,
0.4468

66.2375, 0.2906,
0.3045

■ 30.7586, 0.4870,
0.4469

■ 70.9736, 0.2791,
0.2912

■ 29.5101, 0.4952,
0.4450

■ 74.6362, 0.2796,
0.2988

■ 78.4472, 0.2801,
0.3062

■ 82.4084, 0.2806,
0.3136

Harmonies

Analogous

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



46.5180, 0.3853, 0.3632



46.5180, 0.3717, 0.3861



46.5180, 0.3424, 0.3945

Triad

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



46.5180, 0.3717, 0.3861



46.5180, 0.2512, 0.3184



46.5180, 0.3160, 0.2823

Complementary

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



46.5180, 0.3717, 0.3861



33.4590, 0.2571, 0.2642

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.



46.5180, 0.2808, 0.2705



46.5180, 0.3717, 0.3861



46.5180, 0.2450, 0.2889

Square

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



46.5180, 0.3717, 0.3861



46.5180, 0.2730, 0.3539



46.5180, 0.2555, 0.2723



46.5180, 0.3523, 0.3050

Rectangle

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



46.5180, 0.3717, 0.3861



46.5180, 0.3184, 0.3891



46.5180, 0.2555, 0.2723



46.5180, 0.3037, 0.2770

Sweetspot

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



46.5201, 0.3717, 0.3861



93.0823, 0.3286, 0.3455



32.0766, 0.3631, 0.2983



19.7232, 0.3310, 0.3479



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.



46.5201, 0.3717, 0.3861



74.9997, 0.3857, 0.3979



55.1483, 0.3543, 0.4147



12.4323, 0.3274, 0.3443



19.1582, 0.4939, 0.4461



1.1252, 0.4758, 0.4604

Inverse Universe

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



33.4590, 0.2571, 0.2642



49.7532, 0.2448, 0.2482



27.2704, 0.2615, 0.2320



11.4542, 0.2983, 0.3132



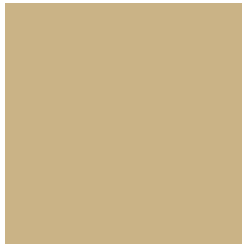
5.5813, 0.1641, 0.1106



0.4280, 0.1753, 0.1509

Previews

White Background



This preview shows how the Yxy color 46.5180, 0.3717, 0.3861 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 46.5180, 0.3717, 0.3861 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 46.5180, 0.3717, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 46.5180, 0.3717, 0.3861.



This preview shows how white text looks on a background with the Yxy color 46.5180, 0.3717, 0.3861.

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

46.5180, 0.3717, 0.3861

Protanopia

46.3991, 0.3635, 0.3886

Deuteranopia

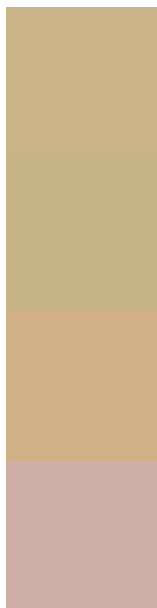
46.3175, 0.3843, 0.3768



Tritanopia

46.4601, 0.3333, 0.3120

Trichromacy



Original Color

46.5180, 0.3717, 0.3861

Protanomaly

46.3976, 0.3667, 0.3868

Deuteranomaly

46.5016, 0.3796, 0.3798

Tritanomaly

46.5718, 0.3477, 0.3390

Monochromacy



Original Color

46.5180, 0.3717, 0.3861

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.1417, 0.3338, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5180, 0.3717, 0.3861 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(202, 179, 134)` looks like.

```
.text, #text, p{  
    color:rgb(202, 179, 134)  
}
```

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(202, 179, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 179, 134) }
```

Border

The CSS property to change the border of an element to Yxy 46.5180, 0.3717, 0.3861 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(202, 179, 134) }
```

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

```
.border{ border-color:rgb(202, 179, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 179, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 179, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 179, 134);  
box-shadow:4px 4px 4px 4px rgb(202, 179,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5180, 0.3717, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 179, 134) }
```

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

```
.background{ background-color: rgb(202,  
179, 134) }
```

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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