

Converting Colors

$Yxy(46.2312, 0.3930, 0.3677)$

Have a look what the booklet for
Yxy(46.2312, 0.3930, 0.3677)
contains.

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Color

Yxy(46.2436, 0.3928, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	DFAA89
RGB	223, 170, 137
RGB Percent	87%, 67%, 54%
CMY	0.1255, 0.3333, 0.4627
CMYK	0.00, 0.24, 0.39, 0.13
HSL	23°, 57%, 71%
HSV	23°, 39%, 87%
XYZ	49.3198, 46.2436, 29.9962
YIQ	182.0850, 42.1810, 0.9730

Conversions

Conversions Part 2

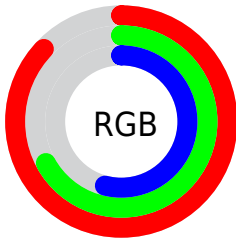
Format	Color
R _Y B	223, 191, 137
Decimal	14658185
CIE Lab	73.70, 15.14, 24.52
CIE LCh	74, 28.819, 58.317
Yxy	46.2436, 0.3928, 0.3683
Android (android.graphics.Color)	4292848265 (0xFFDFAA89)
YUV	182.0850, -22.2269, 35.8825
Hunter-Lab	68.0026, 10.4548, 21.4488

Details

The Yxy color **46.2436, 0.3928, 0.3683** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **47.4690, 0.2529, 0.2855**, and the grayscale version is **46.9352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8720, 0.3577, 0.3637**, and **21.7520, 0.4151, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **40.7848, 0.4214, 0.3782**, and if you desaturate by 10%, it is **52.3775, 0.3675, 0.3578**.

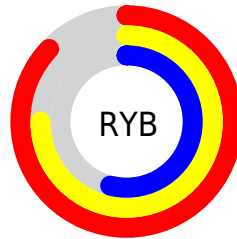
Distribution



Red (87%)

Green (67%)

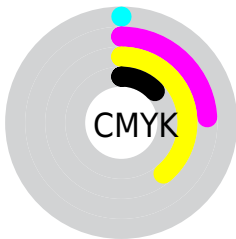
Blue (54%)



Red (87%)

Yellow (75%)

Blue (54%)

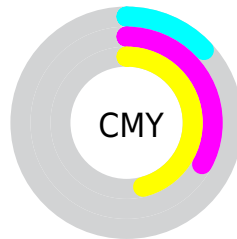


Cyan (0%)

Magenta (24%)

Yellow (39%)

Black (13%)



Cyan (13%)


Magenta (33%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2436, 0.3928, 0.3683 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 46.2436, 0.3928, 0.3683 by changing the saturation by 10% instead.

 46.2436, 0.3928,
0.3683


 46.2436, 0.3928,
0.3683


371.7871, 0.3525,
0.3500


 32.4381, 0.4028,
0.3724


 84.5834, 0.3782,
0.3620

 21.6963, 0.4156,
0.3773


 109.8866, 0.3727,
0.3595

 13.6339, 0.4324,
0.3832


 139.7910, 0.3680,
0.3574

 7.8665, 0.4552,
0.3902

174.6812, 0.3640,
0.3555

 4.0097, 0.4876,
0.3979

214.9415, 0.3606,
0.3539

 1.6790, 0.5706,
0.4294

260.9564, 0.3575,

 0.4100, 0.6493,

0.3524

0.3507

313.1101, 0.3549,
0.3511

0.0000, 0.0000,
0.0000

46.2436, 0.3928,
0.3683

46.2436, 0.3928,
0.3683

40.7848, 0.4214,
0.3782

52.3775, 0.3675,
0.3578

35.9699, 0.4528,
0.3866

59.2032, 0.3456,
0.3473

31.7747, 0.4859,
0.3923

66.7449, 0.3267,
0.3372

28.1705, 0.5186,
0.3939

75.0237, 0.3105,
0.3277

25.1259, 0.5484,
0.3904

84.0596, 0.2968,
0.3189

■ 22.6019, 0.5729,
0.3820

■ 92.8118, 0.2934,
0.3264

■ 22.2760, 0.5763,
0.3806

■ 94.4265, 0.2935,
0.3289

Harmonies

Analogous

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



46.2436, 0.3866, 0.3361



46.2436, 0.3928, 0.3683



46.2436, 0.3762, 0.3932

Triad

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



46.2436, 0.3928, 0.3683



46.2436, 0.2668, 0.3540



46.2436, 0.2796, 0.2651

Complementary

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



46.2436, 0.3928, 0.3683



47.4690, 0.2529, 0.2855

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.



46.2436, 0.2510, 0.2658



46.2436, 0.3928, 0.3683



46.2436, 0.2439, 0.3145

Square

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



46.2436, 0.3928, 0.3683



46.2436, 0.3026, 0.3876



46.2436, 0.2384, 0.2828



46.2436, 0.3189, 0.2790

Rectangle

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



46.2436, 0.3928, 0.3683



46.2436, 0.3552, 0.4012



46.2436, 0.2384, 0.2828



46.2436, 0.2686, 0.2636

Sweetspot

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



46.2458, 0.3928, 0.3683



86.7377, 0.3330, 0.3407



37.2994, 0.3493, 0.2677



18.2753, 0.3355, 0.3420



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.



46.2458, 0.3928, 0.3683



56.8381, 0.4148, 0.3761



65.0610, 0.3743, 0.4146



14.5586, 0.3282, 0.3380



13.3020, 0.5736, 0.3828



1.0915, 0.5448, 0.4056

Inverse Universe

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



47.4690, 0.2529, 0.2855



58.6808, 0.2414, 0.2750



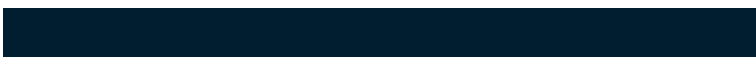
31.5263, 0.2439, 0.2257



14.6426, 0.2981, 0.3198



13.9464, 0.1885, 0.1986



1.1383, 0.1947, 0.2209

Previews

White Background



This preview shows how the Yxy color 46.2436, 0.3928, 0.3683 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 46.2436, 0.3928, 0.3683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

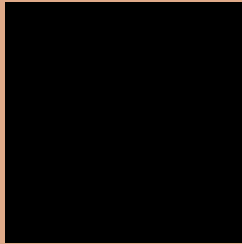
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2436, 0.3928, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 46.2436, 0.3928, 0.3683.



This preview shows how white text looks on a background with the Yxy color 46.2436, 0.3928, 0.3683.

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

46.2436, 0.3928, 0.3683

Protanopia

46.3382, 0.3558, 0.3799

Deuteranopia

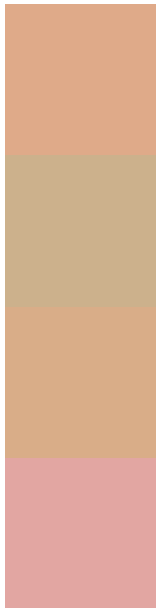
46.3458, 0.3834, 0.3756



Tritanopia

46.0561, 0.3607, 0.3141

Trichromacy



Original Color

46.2436, 0.3928, 0.3683

Protanomaly

46.1751, 0.3692, 0.3758

Deuteranomaly

46.4164, 0.3867, 0.3739

Tritanomaly

46.0498, 0.3735, 0.3339

Monochromacy



Original Color

46.2436, 0.3928, 0.3683

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4643, 0.3397, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2436, 0.3928, 0.3683 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(223, 170, 137)` looks like.

```
.text, #text, p{  
    color:rgb(223, 170, 137)  
}
```

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(223, 170, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 170, 137) }
```

Border

The CSS property to change the border of an element to Yxy 46.2436, 0.3928, 0.3683 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(223, 170, 137) }
```

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

```
.border{ border-color:rgb(223, 170, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 170, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 170, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 170, 137);  
box-shadow:4px 4px 4px 4px rgb(223, 170,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2436, 0.3928, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 170, 137) }
```

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

```
.background{ background-color: rgb(223,  
170, 137) }
```

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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