

Converting Colors

$Y_{xy}(47.0850, 0.3879, 0.3965)$

Have a look what the booklet for
Yxy(47.0850, 0.3879, 0.3965)
contains.

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Color

Yxy(46.9977, 0.3882, 0.3955)

Conversions

Conversions Part 1

Format	Color
Hex	D2B27C
RGB	210, 178, 124
RGB Percent	82%, 70%, 49%
CMY	0.1766, 0.3019, 0.5138
CMYK	0.00, 0.15, 0.41, 0.18
HSL	38°, 49%, 65%
HSV	38°, 41%, 82%
XYZ	46.1302, 46.9977, 25.7032
YIQ	181.4120, 36.4060, -10.0100

Conversions

Conversions Part 2

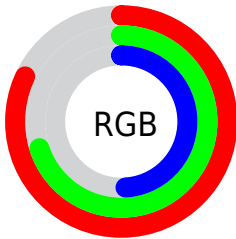
Format	Color
RYB	175, 210, 124
Decimal	13808252
CIELab	74.19, 4.19, 31.89
CIELCh	74, 32.165, 82.514
Yxy	46.9977, 0.3882, 0.3955
Android (android.graphics.Color)	4291998332 (0xFFD2B27C)
YUV	181.4120, -28.3041, 25.0717
Hunter-Lab	68.5549, 0.1407, 25.7589

Details

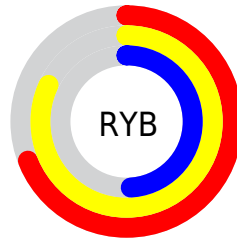
The Yxy color **46.9977, 0.3882, 0.3955** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.6927, 0.2446, 0.2513**, and the grayscale version is **46.5839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2800, 0.3649, 0.3866**, and **22.2861, 0.4084, 0.4133** is the 20% darker color. If you saturate the color by 10%, you get **43.5062, 0.4102, 0.4109**, and if you desaturate by 10%, it is **50.7834, 0.3672, 0.3791**.

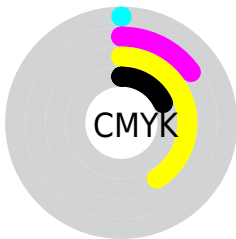
Distribution



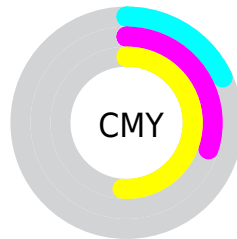
- Red (82%)
- Green (70%)
- Blue (49%)



- Red (69%)
- Yellow (82%)
- Blue (49%)



- Cyan (0%)
- Magenta (15%)
- Yellow (41%)
- Black (18%)



- Cyan (18%)
- Magenta (30%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9977, 0.3882, 0.3955 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 46.9977, 0.3882, 0.3955 by changing the saturation by 10% instead.


 46.9977, 0.3882,
0.3955


 46.9977, 0.3882,
0.3955


374.8053, 0.3509,
0.3633

 33.0338, 0.3972,
0.4030


 85.7102, 0.3749,
0.3841

 22.1524, 0.4084,
0.4123


 111.2276, 0.3698,
0.3798

 13.9689, 0.4227,
0.4239


 141.3650, 0.3655,
0.3760

 8.0990, 0.4414,
0.4384

176.5068, 0.3617,
0.3728

 4.1584, 0.4671,
0.4574

217.0373, 0.3585,
0.3699

 1.7626, 0.5111,
0.4889

263.3409, 0.3557,

 0.4637, 0.5394,

0.3675

0.4606

315.8022, 0.3531,
0.3652

0.0000, 0.0000,
0.0000

46.9977, 0.3882,
0.3955

46.9977, 0.3882,
0.3955

43.5062, 0.4102,
0.4109

50.7834, 0.3672,
0.3791

40.2921, 0.4326,
0.4243

54.8661, 0.3478,
0.3624

37.3465, 0.4544,
0.4344

59.2569, 0.3301,
0.3460

34.6572, 0.4744,
0.4401

63.9642, 0.3141,
0.3304

32.2100, 0.4916,
0.4408

68.9959, 0.2999,
0.3158

■ 30.1839, 0.5046,
0.4375

■ 74.3598, 0.2873,
0.3021

■ 78.9916, 0.2848,
0.3054

■ 83.4989, 0.2852,
0.3137

■ 88.2039, 0.2857,
0.3219

Harmonies

Analogous

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



46.9977, 0.4024, 0.3653



46.9977, 0.3882, 0.3955



46.9977, 0.3538, 0.4100

Triad

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



46.9977, 0.3882, 0.3955



46.9977, 0.2402, 0.3208



46.9977, 0.3105, 0.2700

Complementary

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



46.9977, 0.3882, 0.3955



32.6927, 0.2446, 0.2513

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.



46.9977, 0.2687, 0.2575



46.9977, 0.3882, 0.3955



46.9977, 0.2305, 0.2831

Square

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



46.9977, 0.3882, 0.3955



46.9977, 0.2685, 0.3652



46.9977, 0.2405, 0.2614



46.9977, 0.3559, 0.2956

Rectangle

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



46.9977, 0.3882, 0.3955



46.9977, 0.3248, 0.4061



46.9977, 0.2405, 0.2614



46.9977, 0.2956, 0.2642

Sweetspot

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



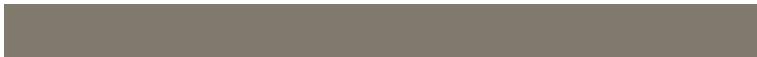
46.9999, 0.3882, 0.3955



91.1413, 0.3321, 0.3479



30.5415, 0.3758, 0.2879



19.3110, 0.3344, 0.3501



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.



46.9999, 0.3882, 0.3955



68.2605, 0.4071, 0.4089



59.8058, 0.3652, 0.4326



13.0283, 0.3275, 0.3436



18.6153, 0.5030, 0.4388



1.1901, 0.4838, 0.4541

Inverse Universe

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



32.6927, 0.2446, 0.2513



43.2112, 0.2296, 0.2313



24.1329, 0.2452, 0.2064



12.1271, 0.2982, 0.3140



6.3433, 0.1665, 0.1194



0.5050, 0.1769, 0.1567

Previews

White Background



This preview shows how the Yxy color 46.9977, 0.3882, 0.3955 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 46.9977, 0.3882, 0.3955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

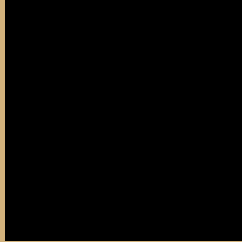
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9977, 0.3882, 0.3955

Background



This preview shows how black text looks on a background with the Yxy color 46.9977, 0.3882, 0.3955.



This preview shows how white text looks on a background with the Yxy color 46.9977, 0.3882, 0.3955.

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

46.9977, 0.3882, 0.3955

Protanopia

46.8326, 0.3725, 0.4008

Deuteranopia

47.0460, 0.3964, 0.3890



Tritanopia

46.8091, 0.3427, 0.3124

Trichromacy



Original Color

46.9977, 0.3882, 0.3955

Protanomaly

47.0850, 0.3784, 0.3997

Deuteranomaly

46.9784, 0.3931, 0.3908

Tritanomaly

46.7919, 0.3601, 0.3425

Monochromacy



Original Color

46.9977, 0.3882, 0.3955

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.3870, 0.3398, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9977, 0.3882, 0.3955 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(210, 178, 124)` looks like.

```
.text, #text, p{  
    color:rgb(210, 178, 124)  
}
```

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(210, 178, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 178, 124) }
```

Border

The CSS property to change the border of an element to Yxy 46.9977, 0.3882, 0.3955 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(210, 178, 124) }
```

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

```
.border{ border-color:rgb(210, 178, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 178, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 178, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 178, 124);  
box-shadow:4px 4px 4px 4px rgb(210, 178,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9977, 0.3882, 0.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 178, 124) }
```

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

```
.background{ background-color: rgb(210,  
178, 124) }
```

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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