

Converting Colors

$Yxy(46.1043, 0.3893, 0.4051)$

Have a look what the booklet for
Yxy(46.1043, 0.3893, 0.4051)
contains.

Yxy(46.1043, 0.3893, 0.4051)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.1043, 0.3893, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	CDB275
RGB	205, 178, 117
RGB Percent	80%, 70%, 46%
CMY	0.1961, 0.3019, 0.5411
CMYK	0.00, 0.13, 0.43, 0.20
HSL	42°, 47%, 63%
HSV	42°, 43%, 80%
XYZ	44.3061, 46.1043, 23.3993
YIQ	179.1190, 35.6730, -13.2470

Conversions

Conversions Part 2

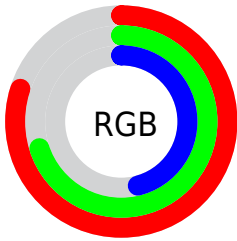
Format	Color
RYB	156, 205, 117
Decimal	13480565
CIELab	73.61, 1.42, 34.71
CIELCh	74, 34.738, 87.656
Yxy	46.1043, 0.3893, 0.4051
Android (android.graphics.Color)	4291670645 (0xFFCDB275)
YUV	179.1190, -30.6247, 22.6976
Hunter-Lab	67.9001, -2.3507, 27.0980

Details

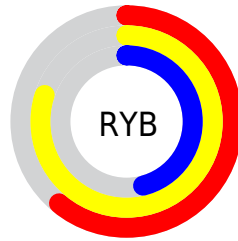
The Yxy color **46.1043, 0.3893, 0.4051** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.1361, 0.2398, 0.2381**, and the grayscale version is **45.2994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0079, 0.3695, 0.3936**, and **21.7165, 0.4093, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **43.2310, 0.4096, 0.4215**, and if you desaturate by 10%, it is **49.2021, 0.3695, 0.3874**.

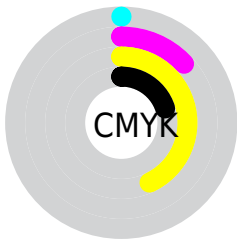
Distribution



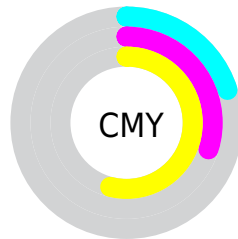
- Red (80%)
- Green (70%)
- Blue (46%)



- Red (61%)
- Yellow (80%)
- Blue (46%)



- Cyan (0%)
- Magenta (13%)
- Yellow (43%)
- Black (20%)





- Cyan (20%)
- Magenta (30%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1043, 0.3893, 0.4051 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 46.1043, 0.3893, 0.4051 by changing the saturation by 10% instead.


 46.1043, 0.3893,
0.4051

 46.1043, 0.3893,
0.4051


371.2278, 0.3516,
0.3679

 32.3281, 0.3982,
0.4138


 84.3751, 0.3759,
0.3919

 21.6123, 0.4093,
0.4246


 109.6385, 0.3708,
0.3869

 13.5723, 0.4233,
0.4381


 139.4997, 0.3664,
0.3826

 7.8238, 0.4411,
0.4550

174.3432, 0.3626,
0.3788

 3.9824, 0.4685,
0.4808

214.5534, 0.3593,
0.3756

 1.6637, 0.4956,
0.5044

260.5146, 0.3565,

 0.4000, 0.5091,

0.3727

0.4909

312.6113, 0.3539,
0.3702

0.0000, 0.0000,
0.0000

46.1043, 0.3893,
0.4051

46.1043, 0.3893,
0.4051

43.2310, 0.4096,
0.4215

49.2021, 0.3695,
0.3874

40.5673, 0.4296,
0.4355

52.5259, 0.3506,
0.3692

38.1060, 0.4483,
0.4461

56.0850, 0.3331,
0.3512

35.8366, 0.4649,
0.4522

59.8863, 0.3171,
0.3339

33.7466, 0.4786,
0.4533

63.9363, 0.3026,
0.3175

■ 32.3596, 0.4867,
0.4517

■ 68.2412, 0.2896,
0.3022

■ 72.4469, 0.2811,
0.2936

■ 75.8491, 0.2815,
0.3005

■ 79.3771, 0.2819,
0.3073

Harmonies

Analogous

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



46.1043, 0.4094, 0.3741



46.1043, 0.3893, 0.4051



46.1043, 0.3491, 0.4174

Triad

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



46.1043, 0.3893, 0.4051



46.1043, 0.2310, 0.3118



46.1043, 0.3187, 0.2692

Complementary

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



46.1043, 0.3893, 0.4051



28.1361, 0.2398, 0.2381

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.



46.1043, 0.2719, 0.2530



46.1043, 0.3893, 0.4051



46.1043, 0.2243, 0.2736

Square

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



46.1043, 0.3893, 0.4051



46.1043, 0.2582, 0.3603



46.1043, 0.2386, 0.2538



46.1043, 0.3673, 0.2985

Rectangle

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



46.1043, 0.3893, 0.4051



46.1043, 0.3171, 0.4101



46.1043, 0.2386, 0.2538



46.1043, 0.3022, 0.2621

Sweetspot

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



46.1065, 0.3893, 0.4051



91.7302, 0.3335, 0.3516



27.7450, 0.3875, 0.2935



19.3483, 0.3373, 0.3556



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.



46.1065, 0.3893, 0.4051



71.4001, 0.4070, 0.4195



55.7414, 0.3624, 0.4392



12.4934, 0.3273, 0.3450



20.3231, 0.4855, 0.4527



1.1789, 0.4696, 0.4653

Inverse Universe

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



28.1361, 0.2398, 0.2381



38.4261, 0.2240, 0.2155



22.1331, 0.2466, 0.2016



11.3958, 0.2983, 0.3125



5.0969, 0.1619, 0.1027



0.3980, 0.1730, 0.1428

Previews

White Background



This preview shows how the Yxy color 46.1043, 0.3893, 0.4051 looks on a white background.

Color Contrast Check

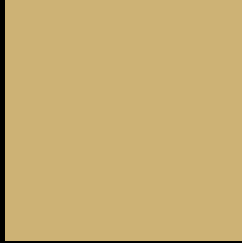
Large Text (above 18pt) WCAG AA × Fail

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 46.1043, 0.3893, 0.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

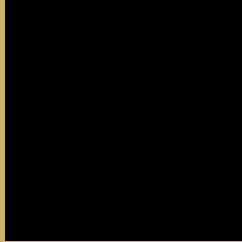
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1043, 0.3893, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 46.1043, 0.3893, 0.4051.



This preview shows how white text looks on a background with the Yxy color 46.1043, 0.3893, 0.4051.

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

46.1043, 0.3893, 0.4051

Protanopia

46.2261, 0.3794, 0.4096

Deuteranopia

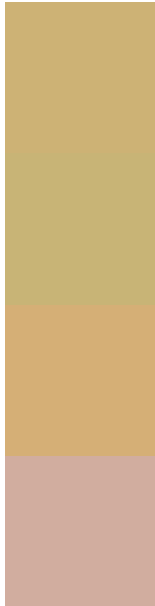
46.1006, 0.4035, 0.3948



Tritanopia

46.1654, 0.3399, 0.3134

Trichromacy



Original Color

46.1043, 0.3893, 0.4051

Protanomaly

46.2299, 0.3828, 0.4076

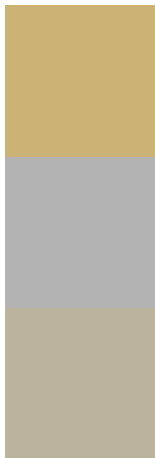
Deuteranomaly

46.1141, 0.3977, 0.3983

Tritanomaly

45.9457, 0.3582, 0.3465

Monochromacy



Original Color

46.1043, 0.3893, 0.4051

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.3319, 0.3398, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1043, 0.3893, 0.4051 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(205, 178, 117)` looks like.

```
.text, #text, p{  
    color:rgb(205, 178, 117)  
}
```

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(205, 178, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 178, 117) }
```

Border

The CSS property to change the border of an element to Yxy 46.1043, 0.3893, 0.4051 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(205, 178, 117) }
```

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

```
.border{ border-color:rgb(205, 178, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 178, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 178, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 178, 117);  
box-shadow:4px 4px 4px 4px rgb(205, 178,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1043, 0.3893, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 178, 117) }
```

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

```
.background{ background-color: rgb(205,  
178, 117) }
```

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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