

Converting Colors

$Yxy(46.4012, 0.3715, 0.3658)$

Have a look what the booklet for
Yxy(46.4012, 0.3715, 0.3658)
contains.

Yxy(46.4059, 0.3711, 0.3663)	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(46.4059, 0.3711, 0.3663)

Conversions

Conversions Part 1

Format	Color
Hex	D2AF91
RGB	210, 175, 145
RGB Percent	82%, 69%, 57%
CMY	0.1766, 0.3137, 0.4314
CMYK	0.00, 0.17, 0.31, 0.18
HSL	28°, 42%, 70%
HSV	28°, 31%, 82%
XYZ	47.0140, 46.4059, 33.2683
YIQ	182.0450, 30.4900, -1.9100

Conversions

Conversions Part 2

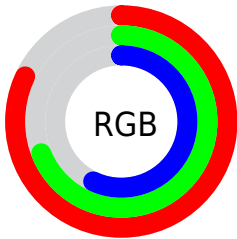
Format	Color
R _Y B	210, 201, 145
Decimal	13807505
CIE Lab	73.81, 8.32, 20.14
CIE LCh	74, 21.788, 67.543
Yxy	46.4059, 0.3711, 0.3663
Android (android.graphics.Color)	4291997585 (0xFFD2AF91)
YUV	182.0450, -18.2632, 24.5165
Hunter-Lab	68.1219, 3.9777, 18.7302

Details

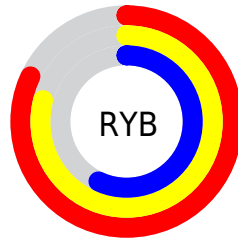
The Yxy color **46.4059, 0.3711, 0.3663** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.3002, 0.2639, 0.2884**, and the grayscale version is **46.8939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5353, 0.3508, 0.3614**, and **21.8441, 0.3874, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **41.6027, 0.3954, 0.3787**, and if you desaturate by 10%, it is **51.7011, 0.3495, 0.3538**.

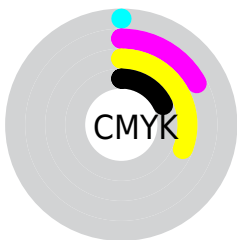
Distribution



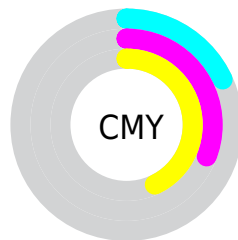
- Red (82%)
- Green (69%)
- Blue (57%)



- Red (82%)
- Yellow (79%)
- Blue (57%)



- Cyan (0%)
- Magenta (17%)
- Yellow (31%)
- Black (18%)





- Cyan (18%)
- Magenta (31%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4059, 0.3711, 0.3663 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 46.4059, 0.3711, 0.3663 by changing the saturation by 10% instead.

 46.4059, 0.3711,
0.3663


 46.4059, 0.3711,
0.3663


372.4381, 0.3418,
0.3482

 32.5662, 0.3784,
0.3706


 84.8261, 0.3604,
0.3599

 21.7944, 0.3878,
0.3759


 110.1755, 0.3564,
0.3574

 13.7059, 0.4001,
0.3827


140.1302, 0.3530,
0.3554

 7.9164, 0.4172,
0.3916

175.0747, 0.3501,
0.3535

 4.0415, 0.4418,
0.4033

215.3934, 0.3476,
0.3520

 1.6968, 0.4992,
0.4350

261.4705, 0.3454,

 0.4216, 0.5889,

0.3506

0.4111

313.6907, 0.3435,
0.3493

0.0000, 0.0000,
0.0000

46.4059, 0.3711,
0.3663

46.4059, 0.3711,
0.3663

41.6027, 0.3954,
0.3787

51.7011, 0.3495,
0.3538

37.2696, 0.4222,
0.3903

57.4967, 0.3306,
0.3416

33.3921, 0.4509,
0.4000

63.8089, 0.3141,
0.3301

29.9525, 0.4802,
0.4066

70.6510, 0.2999,
0.3193

26.9313, 0.5085,
0.4089

78.0360, 0.2876,
0.3094

■ 24.3070, 0.5337,
0.4058

■ 84.9033, 0.2854,
0.3162

■ 22.2453, 0.5532,
0.3990

■ 91.8682, 0.2860,
0.3280

■ 92.4380, 0.2860,
0.3289

Harmonies

Analogous

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



46.4059, 0.3716, 0.3430



46.4059, 0.3711, 0.3663



46.4059, 0.3543, 0.3812

Triad

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



46.4059, 0.3711, 0.3663



46.4059, 0.2712, 0.3389



46.4059, 0.2965, 0.2819

Complementary

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



46.4059, 0.3711, 0.3663



43.3002, 0.2639, 0.2884

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.



46.4059, 0.2712, 0.2791



46.4059, 0.3711, 0.3663



46.4059, 0.2572, 0.3103

Square

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



46.4059, 0.3711, 0.3663



46.4059, 0.2964, 0.3660



46.4059, 0.2572, 0.2889



46.4059, 0.3273, 0.2958

Rectangle

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



46.4059, 0.3711, 0.3663



46.4059, 0.3367, 0.3834



46.4059, 0.2572, 0.2889



46.4059, 0.2871, 0.2796

Sweetspot

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



46.4080, 0.3711, 0.3663



90.9814, 0.3274, 0.3394



37.2754, 0.3444, 0.2852



19.1752, 0.3299, 0.3411



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.



46.4080, 0.3711, 0.3663



67.1165, 0.3865, 0.3744



60.2357, 0.3602, 0.4023



12.6953, 0.3279, 0.3398



13.7695, 0.5508, 0.4009



0.9279, 0.5205, 0.4249

Inverse Universe

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



43.3002, 0.2639, 0.2884



61.5578, 0.2535, 0.2783



31.9311, 0.2587, 0.2434



12.4563, 0.2983, 0.3180



10.2457, 0.1811, 0.1718



0.7308, 0.1898, 0.2031

Previews

White Background



This preview shows how the Yxy color 46.4059, 0.3711, 0.3663 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 46.4059, 0.3711, 0.3663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

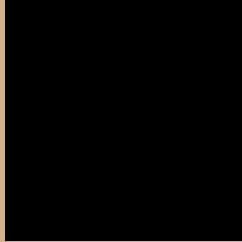
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4059, 0.3711, 0.3663

Background



This preview shows how black text looks on a background with the Yxy color 46.4059, 0.3711, 0.3663.



This preview shows how white text looks on a background with the Yxy color 46.4059, 0.3711, 0.3663.

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

46.4059, 0.3711, 0.3663

Protanopia

46.3923, 0.3498, 0.3721

Deuteranopia

46.3135, 0.3734, 0.3648



Tritanopia

46.4645, 0.3418, 0.3135

Trichromacy



Original Color

46.4059, 0.3711, 0.3663

Protanomaly

46.4889, 0.3577, 0.3700

Deuteranomaly

46.1653, 0.3724, 0.3650

Tritanomaly

46.5158, 0.3531, 0.3328

Monochromacy



Original Color

46.4059, 0.3711, 0.3663

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.3112, 0.3324, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4059, 0.3711, 0.3663 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, 175, 145)` looks like.

```
.text, #text, p{  
    color:rgb(210, 175, 145)  
}
```

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, 175, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 175, 145) }
```

Border

The CSS property to change the border of an element to Yxy 46.4059, 0.3711, 0.3663 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, 175, 145) }
```

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

```
.border{ border-color:rgb(210, 175, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 175, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 175, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 175, 145);  
box-shadow:4px 4px 4px 4px rgb(210, 175,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4059, 0.3711, 0.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 175, 145) }
```

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

```
.background{ background-color: rgb(210,  
175, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor