

Converting Colors

$Y_{xy}(45.0765, 0.3910, 0.3666)$

Have a look what the booklet for
Yxy(45.0765, 0.3910, 0.3666)
contains.

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Color

Yxy(45.0271, 0.3909, 0.3664)

Conversions

Conversions Part 1

Format	Color
Hex	DCA889
RGB	220, 168, 137
RGB Percent	86%, 66%, 54%
CMY	0.1372, 0.3412, 0.4627
CMYK	0.00, 0.24, 0.38, 0.14
HSL	22°, 54%, 70%
HSV	22°, 38%, 86%
XYZ	48.0379, 45.0271, 29.8255
YIQ	180.0140, 40.9430, 1.3830

Conversions

Conversions Part 2

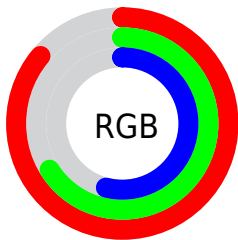
Format	Color
R _Y B	220, 186, 137
Decimal	14461065
CIE Lab	72.91, 15.05, 23.40
CIE LCh	73, 27.822, 57.264
Yxy	45.0271, 0.3909, 0.3664
Android (android.graphics.Color)	4292651145 (0xFFDCA889)
YUV	180.0140, -21.2059, 35.0677
Hunter-Lab	67.1022, 10.3577, 20.6184

Details

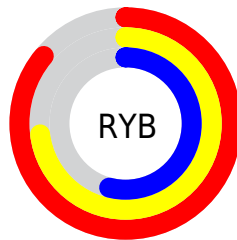
The Yxy color $45.0271, 0.3909, 0.3664$ is a light color, and the websafe version is hex $CC9966$. A complement of this color would be $46.8924, 0.2544, 0.2878$, and the grayscale version is $45.7510, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.7969, 0.3582, 0.3617$, and $20.9654, 0.4128, 0.3752$ is the 20% darker color. If you saturate the color by 10%, you get $39.6372, 0.4195, 0.3761$, and if you desaturate by 10%, it is $51.0899, 0.3657, 0.3561$.

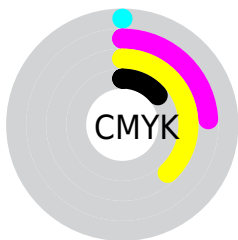
Distribution



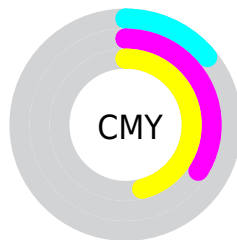
- Red (86%)
- Green (66%)
- Blue (54%)



- Red (86%)
- Yellow (73%)
- Blue (54%)



- Cyan (0%)
- Magenta (24%)
- Yellow (38%)
- Black (14%)




- Cyan (14%)
- Magenta (34%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0271, 0.3909, 0.3664 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 45.0271, 0.3909, 0.3664 by changing the saturation by 10% instead.


 45.0271, 0.3909,
0.3664


 45.0271, 0.3909,
0.3664


366.8833, 0.3514,
0.3489

 31.4788, 0.4008,
0.3703

 82.7611, 0.3765,
0.3603

 20.9637, 0.4135,
0.3751


 107.7155, 0.3711,
0.3580

 13.0975, 0.4302,
0.3808


 137.2408, 0.3665,
0.3559

 7.4957, 0.4531,
0.3877

171.7213, 0.3626,
0.3541

 3.7740, 0.4860,
0.3952

211.5414, 0.3592,
0.3526

 1.5480, 0.5723,
0.4277

257.0855, 0.3563,

 0.3221, 0.6764,

0.3512

0.3236

308.7380, 0.3537,
0.3500

0.0000, 0.0000,
0.0000

45.0271, 0.3909,
0.3664

45.0271, 0.3909,
0.3664

39.6372, 0.4195,
0.3761

51.0899, 0.3657,
0.3561

34.8890, 0.4511,
0.3844

57.8422, 0.3439,
0.3459

30.7584, 0.4845,
0.3901

65.3084, 0.3253,
0.3362

27.2169, 0.5179,
0.3919

73.5093, 0.3093,
0.3270

24.2331, 0.5485,
0.3888

82.4651, 0.2957,
0.3185

■ 21.7699, 0.5737,
0.3806

■ 91.2593, 0.2916,
0.3246

■ 21.2758, 0.5790,
0.3785

■ 93.9590, 0.2917,
0.3289

Harmonies

Analogous

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



45.0271, 0.3840, 0.3349



45.0271, 0.3909, 0.3664



45.0271, 0.3755, 0.3909

Triad

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



45.0271, 0.3909, 0.3664



45.0271, 0.2690, 0.3547



45.0271, 0.2793, 0.2664

Complementary

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



45.0271, 0.3909, 0.3664



46.8924, 0.2544, 0.2878

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.



45.0271, 0.2518, 0.2677



45.0271, 0.3909, 0.3664



45.0271, 0.2461, 0.3163

Square

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



45.0271, 0.3909, 0.3664



45.0271, 0.3043, 0.3868



45.0271, 0.2401, 0.2849



45.0271, 0.3174, 0.2795

Rectangle

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



45.0271, 0.3909, 0.3664



45.0271, 0.3554, 0.3991



45.0271, 0.2401, 0.2849



45.0271, 0.2686, 0.2651

Sweetspot

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



45.0292, 0.3909, 0.3664



87.6168, 0.3312, 0.3394



36.8096, 0.3468, 0.2675



18.4456, 0.3337, 0.3407



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.



45.0292, 0.3909, 0.3664



57.0663, 0.4124, 0.3739



62.6024, 0.3734, 0.4114



13.8440, 0.3282, 0.3378



12.6808, 0.5763, 0.3806



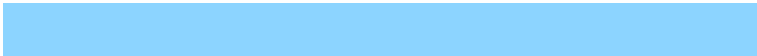
0.9837, 0.5455, 0.4051

Inverse Universe

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



46.8924, 0.2544, 0.2878



59.9826, 0.2431, 0.2778



31.6884, 0.2459, 0.2303



13.9699, 0.2982, 0.3201



13.8973, 0.1896, 0.2024



1.0636, 0.1959, 0.2254

Previews

White Background



This preview shows how the Yxy color 45.0271, 0.3909, 0.3664 looks on a white background.

Color Contrast Check

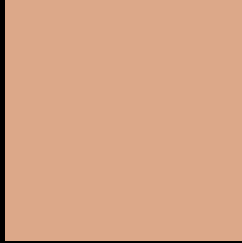
Large Text (above 18pt) WCAG AA × Fail

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 45.0271, 0.3909, 0.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

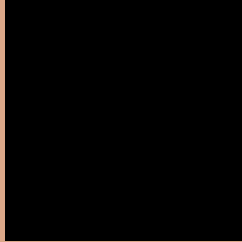
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0271, 0.3909, 0.3664

Background



This preview shows how black text looks on a background with the Yxy color 45.0271, 0.3909, 0.3664.



This preview shows how white text looks on a background with the Yxy color 45.0271, 0.3909, 0.3664.

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

45.0271, 0.3909, 0.3664

Protanopia

45.2696, 0.3545, 0.3777

Deuteranopia

45.1315, 0.3814, 0.3737



Tritanopia

45.1368, 0.3600, 0.3151

Trichromacy



Original Color

45.0271, 0.3909, 0.3664

Protanomaly

45.1100, 0.3680, 0.3737

Deuteranomaly

45.1995, 0.3847, 0.3720

Tritanomaly

45.1715, 0.3720, 0.3339

Monochromacy



Original Color

45.0271, 0.3909, 0.3664

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.3331, 0.3400, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0271, 0.3909, 0.3664 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(220, 168, 137)` looks like.

```
.text, #text, p{  
    color:rgb(220, 168, 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(220, 168, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 168, 137) }
```

Border

The CSS property to change the border of an element to Yxy 45.0271, 0.3909, 0.3664 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(220, 168, 137) }
```

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

```
.border{ border-color:rgb(220, 168, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 168, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 168, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 168, 137);  
box-shadow:4px 4px 4px 4px rgb(220, 168,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0271, 0.3909, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 168, 137) }
```

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

```
.background{ background-color: rgb(220,  
168, 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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