

Converting Colors

$Y_{xy}(45.0226, 0.3758, 0.3701)$

Have a look what the booklet for
Yxy(45.0226, 0.3758, 0.3701)
contains.

Yxy(44.9538, 0.3758, 0.3691)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.9538, 0.3758, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	D1AC8C
RGB	209, 172, 140
RGB Percent	82%, 67%, 55%
CMY	0.1806, 0.3254, 0.4510
CMYK	0.00, 0.18, 0.33, 0.18
HSL	28°, 43%, 68%
HSV	28°, 33%, 82%
XYZ	45.7698, 44.9538, 31.0694
YIQ	179.4150, 32.3240, -2.1080

Conversions

Conversions Part 2

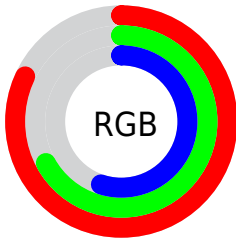
Format	Color
R _Y B	209, 200, 140
Decimal	13741196
CIE Lab	72.86, 8.88, 21.54
CIE LCh	73, 23.299, 67.586
Yxy	44.9538, 0.3758, 0.3691
Android (android.graphics.Color)	4291931276 (0xFFD1AC8C)
YUV	179.4150, -19.4316, 25.9460
Hunter-Lab	67.0476, 4.5191, 19.4587

Details

The Yxy color $44.9538, 0.3758, 0.3691$ is a light color, and the websafe version is hex $CC9966$. A complement of this color would be $41.5856, 0.2606, 0.2850$, and the grayscale version is $45.4037, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.0932, 0.3551, 0.3626$, and $20.9434, 0.3930, 0.3793$ is the 20% darker color. If you saturate the color by 10%, you get $40.3151, 0.4006, 0.3815$, and if you desaturate by 10%, it is $50.0723, 0.3537, 0.3565$.

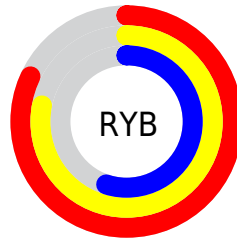
Distribution



Red (82%)

Green (67%)

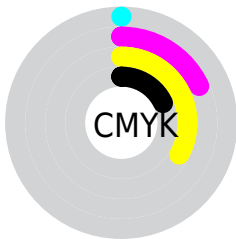
Blue (55%)



Red (82%)

Yellow (78%)

Blue (55%)

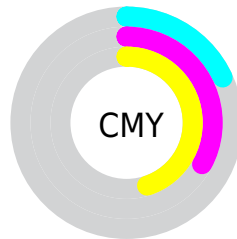


Cyan (0%)

Magenta (18%)

Yellow (33%)

Black (18%)



Cyan (18%)

Magenta (33%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9538, 0.3758, 0.3691 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 44.9538, 0.3758, 0.3691 by changing the saturation by 10% instead.


 44.9538, 0.3758,
0.3691

 44.9538, 0.3758,
0.3691


366.5864, 0.3440,
0.3497

 31.4210, 0.3838,
0.3737


 82.6511, 0.3642,
0.3622

 20.9197, 0.3940,
0.3794


 107.5844, 0.3598,
0.3596

 13.0653, 0.4075,
0.3867


 137.0867, 0.3562,
0.3573

 7.4735, 0.4261,
0.3961

171.5423, 0.3530,
0.3554

 3.7600, 0.4530,
0.4082

211.3357, 0.3503,
0.3537

 1.5402, 0.5319,
0.4550

256.8513, 0.3479,

 0.3168, 0.6205,

0.3522

0.3795

308.4734, 0.3458,
0.3508

0.0000, 0.0000,
0.0000

44.9538, 0.3758,
0.3691

44.9538, 0.3758,
0.3691

40.3151, 0.4006,
0.3815

50.0723, 0.3537,
0.3565

36.1345, 0.4277,
0.3928

55.6790, 0.3343,
0.3441

32.3976, 0.4565,
0.4021

61.7899, 0.3174,
0.3324

29.0869, 0.4857,
0.4080

68.4181, 0.3027,
0.3214

26.1828, 0.5134,
0.4092

75.5765, 0.2900,
0.3112

■ 23.6635, 0.5376,
0.4051

■ 82.5920, 0.2846,
0.3124

■ 22.1107, 0.5524,
0.3996

■ 89.3530, 0.2852,
0.3241

■ 92.2885, 0.2854,
0.3289

Harmonies

Analogous

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



44.9538, 0.3765, 0.3439



44.9538, 0.3758, 0.3691



44.9538, 0.3576, 0.3854

Triad

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



44.9538, 0.3758, 0.3691



44.9538, 0.2679, 0.3396



44.9538, 0.2952, 0.2784

Complementary

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



44.9538, 0.3758, 0.3691



41.5856, 0.2606, 0.2850

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.



44.9538, 0.2680, 0.2753



44.9538, 0.3758, 0.3691



44.9538, 0.2529, 0.3086

Square

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



44.9538, 0.3758, 0.3691



44.9538, 0.2949, 0.3691



44.9538, 0.2530, 0.2856



44.9538, 0.3285, 0.2933

Rectangle

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



44.9538, 0.3758, 0.3691



44.9538, 0.3384, 0.3880



44.9538, 0.2530, 0.2856



44.9538, 0.2850, 0.2759

Sweetspot

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



44.9559, 0.3758, 0.3691



90.0608, 0.3291, 0.3407



35.5114, 0.3472, 0.2822



18.9918, 0.3316, 0.3424



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.



44.9559, 0.3758, 0.3691



65.0467, 0.3940, 0.3784



59.3460, 0.3633, 0.4071



12.7005, 0.3279, 0.3398



13.8328, 0.5500, 0.4015



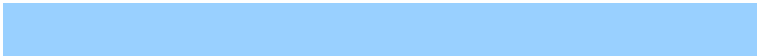
0.9315, 0.5199, 0.4254

Inverse Universe

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



41.5856, 0.2606, 0.2850



58.9168, 0.2487, 0.2731



29.9508, 0.2545, 0.2367



12.4510, 0.2983, 0.3179



10.1702, 0.1808, 0.1709



0.7267, 0.1895, 0.2023

Previews

White Background



This preview shows how the Yxy color 44.9538, 0.3758, 0.3691 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 44.9538, 0.3758, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

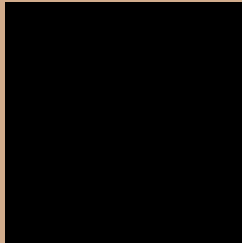
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9538, 0.3758, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 44.9538, 0.3758, 0.3691.



This preview shows how white text looks on a background with the Yxy color 44.9538, 0.3758, 0.3691.

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

44.9538, 0.3758, 0.3691

Protanopia

45.1705, 0.3527, 0.3765

Deuteranopia

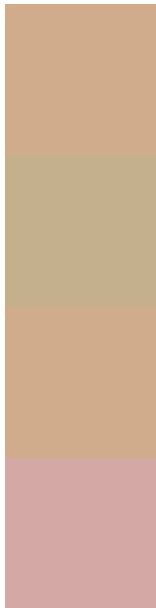
44.9538, 0.3758, 0.3691



Tritanopia

45.0382, 0.3450, 0.3146

Trichromacy



Original Color

44.9538, 0.3758, 0.3691

Protanomaly

44.8740, 0.3611, 0.3731

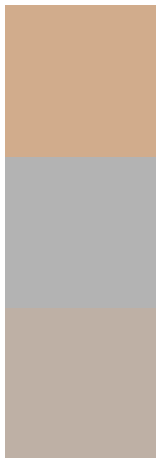
Deuteranomaly

44.9538, 0.3758, 0.3691

Tritanomaly

45.0896, 0.3566, 0.3340

Monochromacy



Original Color

44.9538, 0.3758, 0.3691

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.7144, 0.3345, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9538, 0.3758, 0.3691 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(209, 172, 140)` looks like.

```
.text, #text, p{  
    color:rgb(209, 172, 140)  
}
```

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(209, 172, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 172, 140) }
```

Border

The CSS property to change the border of an element to Yxy 44.9538, 0.3758, 0.3691 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(209, 172, 140) }
```

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

```
.border{ border-color:rgb(209, 172, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 172, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 172, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 172, 140);  
box-shadow:4px 4px 4px 4px rgb(209, 172,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9538, 0.3758, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 172, 140) }
```

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

```
.background{ background-color: rgb(209,  
172, 140) }
```

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