

Converting Colors

$Y_{xy}(48.6693, 0.3788, 0.3725)$

Have a look what the booklet for
Yxy(48.6693, 0.3788, 0.3725)
contains.

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Color

Yxy(48.5455, 0.3792, 0.3725)

Conversions

Conversions Part 1

Format	Color
Hex	D9B28E
RGB	217, 178, 142
RGB Percent	85%, 70%, 56%
CMY	0.1490, 0.3019, 0.4431
CMYK	0.00, 0.18, 0.35, 0.15
HSL	29°, 50%, 70%
HSV	29°, 35%, 85%
XYZ	49.4187, 48.5455, 32.3593
YIQ	185.5570, 34.8000, -2.9280

Conversions

Conversions Part 2

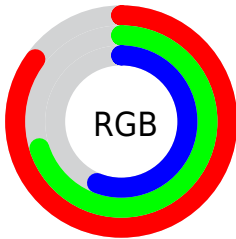
Format	Color
R _Y B	217, 211, 142
Decimal	14267022
CIE Lab	75.17, 9.09, 23.72
CIE LCh	75, 25.401, 69.025
Yxy	48.5455, 0.3792, 0.3725
Android (android.graphics.Color)	4292457102 (0xFFD9B28E)
YUV	185.5570, -21.4736, 27.5755
Hunter-Lab	69.6746, 4.6756, 21.2359

Details

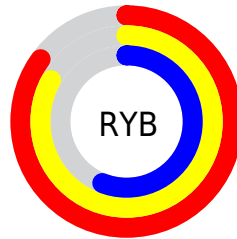
The Yxy color **48.5455, 0.3792, 0.3725** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.8106, 0.2577, 0.2808**, and the grayscale version is **48.9514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0912, 0.3522, 0.3673**, and **22.9996, 0.3987, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **43.6506, 0.4041, 0.3852**, and if you desaturate by 10%, it is **53.9412, 0.3568, 0.3595**.

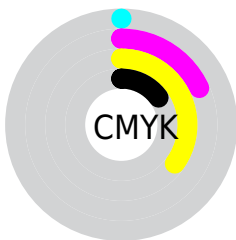
Distribution



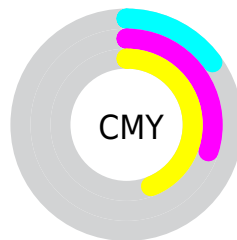
- Red (85%)
- Green (70%)
- Blue (56%)



- Red (85%)
- Yellow (83%)
- Blue (56%)



- Cyan (0%)
- Magenta (18%)
- Yellow (35%)
- Black (15%)





- Cyan (15%)
- Magenta (30%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5455, 0.3792, 0.3725 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 48.5455, 0.3792, 0.3725 by changing the saturation by 10% instead.

 48.5455, 0.3792,
0.3725


 48.5455, 0.3792,
0.3725


380.9503, 0.3461,
0.3517

 34.2591, 0.3873,
0.3773


 88.0160, 0.3673,
0.3652

 23.0927, 0.3976,
0.3833


 113.9690, 0.3627,
0.3624

 14.6620, 0.4111,
0.3907


144.5795, 0.3589,
0.3600

 8.5825, 0.4294,
0.4002

180.2320, 0.3556,
0.3579

 4.4699, 0.4552,
0.4123

221.3110, 0.3528,
0.3560

 1.9397, 0.5154,
0.4455

268.2008, 0.3503,

 0.5721, 0.5724,

0.3544

0.4276

321.2857, 0.3481,
0.3530

0.0000, 0.0000,
0.0000

48.5455, 0.3792,
0.3725

48.5455, 0.3792,
0.3725

43.6506, 0.4041,
0.3852

53.9412, 0.3568,
0.3595

39.2336, 0.4311,
0.3967

59.8462, 0.3371,
0.3466

35.2792, 0.4595,
0.4058

66.2774, 0.3198,
0.3343

31.7689, 0.4879,
0.4113

73.2488, 0.3048,
0.3228

28.6819, 0.5144,
0.4120

80.7735, 0.2918,
0.3122

■ 25.9949, 0.5371,
0.4072

■ 87.7061, 0.2896,
0.3194

■ 24.6849, 0.5482,
0.4029

■ 93.4918, 0.2900,
0.3289

Harmonies

Analogous

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



48.5455, 0.3809, 0.3460



48.5455, 0.3792, 0.3725



48.5455, 0.3590, 0.3894

Triad

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



48.5455, 0.3792, 0.3725



48.5455, 0.2640, 0.3386



48.5455, 0.2956, 0.2759

Complementary

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



48.5455, 0.3792, 0.3725



43.8106, 0.2577, 0.2808

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.



48.5455, 0.2664, 0.2719



48.5455, 0.3792, 0.3725



48.5455, 0.2490, 0.3058

Square

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



48.5455, 0.3792, 0.3725



48.5455, 0.2921, 0.3705



48.5455, 0.2499, 0.2820



48.5455, 0.3311, 0.2922

Rectangle

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



48.5455, 0.3792, 0.3725



48.5455, 0.3383, 0.3917



48.5455, 0.2499, 0.2820



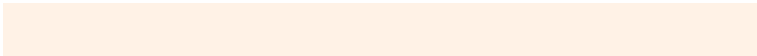
48.5455, 0.2848, 0.2731

Sweetspot

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



48.5478, 0.3792, 0.3725



90.2948, 0.3291, 0.3411



37.4778, 0.3507, 0.2813



19.0484, 0.3316, 0.3428



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.



48.5478, 0.3792, 0.3725



65.0796, 0.3959, 0.3812



65.0521, 0.3654, 0.4122



14.0776, 0.3280, 0.3402



15.1521, 0.5459, 0.4048



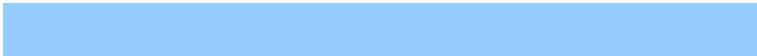
1.1536, 0.5199, 0.4254

Inverse Universe

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



43.8106, 0.2577, 0.2808



57.3212, 0.2468, 0.2695



30.8620, 0.2509, 0.2296



13.7318, 0.2982, 0.3175



10.3732, 0.1792, 0.1653



0.8443, 0.1872, 0.1939

Previews

White Background



This preview shows how the Yxy color 48.5455, 0.3792, 0.3725 looks on a white background.

Color Contrast Check

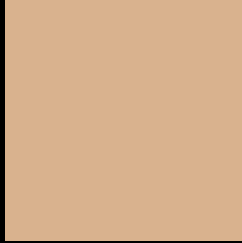
Large Text (above 18pt) WCAG AA × Fail

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 48.5455, 0.3792, 0.3725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

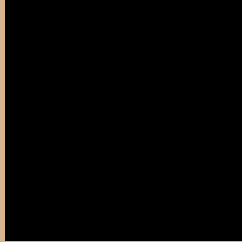
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5455, 0.3792, 0.3725

Background



This preview shows how black text looks on a background with the Yxy color 48.5455, 0.3792, 0.3725.



This preview shows how white text looks on a background with the Yxy color 48.5455, 0.3792, 0.3725.

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

48.5455, 0.3792, 0.3725

Protanopia

48.6126, 0.3557, 0.3802

Deuteranopia

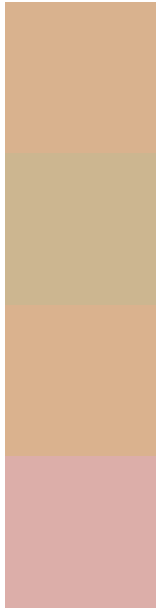
48.6992, 0.3801, 0.3724



Tritanopia

48.5374, 0.3469, 0.3139

Trichromacy



Original Color

48.5455, 0.3792, 0.3725

Protanomaly

48.3069, 0.3639, 0.3767

Deuteranomaly

48.6992, 0.3801, 0.3724

Tritanomaly

48.3523, 0.3591, 0.3351

Monochromacy



Original Color

48.5455, 0.3792, 0.3725

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.6396, 0.3354, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5455, 0.3792, 0.3725 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(217, 178, 142)` looks like.

```
.text, #text, p{  
    color:rgb(217, 178, 142)  
}
```

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(217, 178, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 178, 142) }
```

Border

The CSS property to change the border of an element to Yxy 48.5455, 0.3792, 0.3725 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(217, 178, 142) }
```

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

```
.border{ border-color:rgb(217, 178, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 178, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 178, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 178, 142);  
box-shadow:4px 4px 4px 4px rgb(217, 178,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5455, 0.3792, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 178, 142) }
```

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

```
.background{ background-color: rgb(217,  
178, 142) }
```

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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