

Converting Colors

$Y_{xy}(48.3790, 0.4017, 0.3937)$

Have a look what the booklet for
Yxy(48.3790, 0.4017, 0.3937)
contains.

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Color

Yxy(48.3790, 0.4017, 0.3937)

Conversions

Conversions Part 1

Format	Color
Hex	DEB17A
RGB	222, 177, 122
RGB Percent	87%, 69%, 48%
CMY	0.1293, 0.3059, 0.5216
CMYK	0.00, 0.20, 0.45, 0.13
HSL	33°, 60%, 67%
HSV	33°, 45%, 87%
XYZ	49.3621, 48.3790, 25.1418
YIQ	184.1850, 44.4750, -7.5650

Conversions

Conversions Part 2

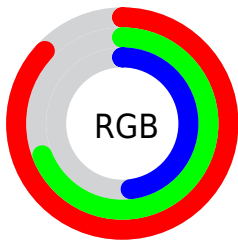
Format	Color
R _Y B	204, 222, 122
Decimal	14594426
CIE Lab	75.06, 9.39, 34.31
CIE LCh	75, 35.568, 74.694
Yxy	48.3790, 0.4017, 0.3937
Android (android.graphics.Color)	4292784506 (0xFFDEB17A)
YUV	184.1850, -30.6572, 33.1638
Hunter-Lab	69.5550, 4.9573, 27.2571

Details

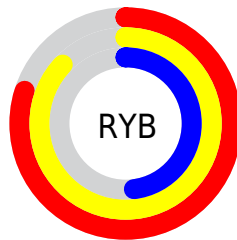
The Yxy color **48.3790, 0.4017, 0.3937** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.0475, 0.2391, 0.2529**, and the grayscale version is **48.1956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6330, 0.3665, 0.3877**, and **23.1344, 0.4253, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **44.0890, 0.4266, 0.4067**, and if you desaturate by 10%, it is **53.0883, 0.3783, 0.3793**.

Distribution



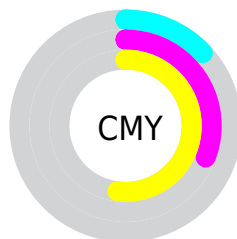
- Red (87%)
- Green (69%)
- Blue (48%)



- Red (80%)
- Yellow (87%)
- Blue (48%)



- Cyan (0%)
- Magenta (20%)
- Yellow (45%)
- Black (13%)





- Cyan (13%)
- Magenta (31%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3790, 0.4017, 0.3937 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 48.3790, 0.4017, 0.3937 by changing the saturation by 10% instead.


 48.3790, 0.4017,
0.3937


 48.3790, 0.4017,
0.3937


380.2924, 0.3579,
0.3632

 34.1271, 0.4122,
0.4005


 87.7684, 0.3861,
0.3832

 22.9913, 0.4252,
0.4087


 113.6748, 0.3801,
0.3791

 14.5871, 0.4419,
0.4185


 144.2347, 0.3750,
0.3755

 8.5301, 0.4634,
0.4301

179.8327, 0.3706,
0.3724

 4.4360, 0.4932,
0.4444

220.8530, 0.3668,
0.3697

 1.9203, 0.5381,
0.4619

267.6802, 0.3635,

 0.5605, 0.5762,

0.3673

0.4238

320.6985, 0.3605,
0.3651

0.0000, 0.0000,
0.0000

48.3790, 0.4017,
0.3937

48.3790, 0.4017,
0.3937

44.0890, 0.4266,
0.4067

53.0883, 0.3783,
0.3793

40.1965, 0.4521,
0.4172

58.2239, 0.3569,
0.3645

36.6878, 0.4769,
0.4240

63.8009, 0.3377,
0.3499

33.5448, 0.4997,
0.4259

69.8318, 0.3206,
0.3358

30.7470, 0.5191,
0.4224

76.3282, 0.3055,
0.3226

■ 29.4780, 0.5277,
0.4192

■ 83.2891, 0.2924,
0.3104

■ 89.2348, 0.2927,
0.3208

■ 94.2723, 0.2929,
0.3289

Harmonies

Analogous

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



48.3790, 0.4104, 0.3580



48.3790, 0.4017, 0.3937



48.3790, 0.3686, 0.4158

Triad

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



48.3790, 0.4017, 0.3937



48.3790, 0.2399, 0.3323



48.3790, 0.2973, 0.2599

Complementary

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



48.3790, 0.4017, 0.3937



37.0475, 0.2391, 0.2529

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.



48.3790, 0.2550, 0.2506



48.3790, 0.4017, 0.3937



48.3790, 0.2240, 0.2878

Square

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



48.3790, 0.4017, 0.3937



48.3790, 0.2750, 0.3806



48.3790, 0.2294, 0.2595



48.3790, 0.3474, 0.2842

Rectangle

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



48.3790, 0.4017, 0.3937



48.3790, 0.3382, 0.4171



48.3790, 0.2294, 0.2595



48.3790, 0.2817, 0.2549

Sweetspot

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



48.3813, 0.4017, 0.3937



88.0851, 0.3360, 0.3485



32.2985, 0.3754, 0.2742



18.4846, 0.3399, 0.3516



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.



48.3813, 0.4017, 0.3937



60.7066, 0.4249, 0.4059



68.6672, 0.3767, 0.4402



14.9440, 0.3278, 0.3419



17.7315, 0.5256, 0.4208



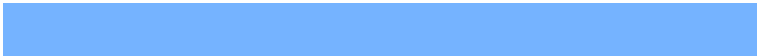
1.4072, 0.5048, 0.4374

Inverse Universe

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



37.0475, 0.2391, 0.2529



43.3695, 0.2239, 0.2335



23.5728, 0.2303, 0.1895



14.2539, 0.2981, 0.3158



8.7503, 0.1728, 0.1421



0.7834, 0.1810, 0.1717

Previews

White Background



This preview shows how the Yxy color 48.3790, 0.4017, 0.3937 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 48.3790, 0.4017, 0.3937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

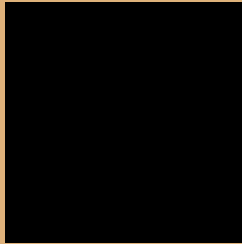
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3790, 0.4017, 0.3937

Background



This preview shows how black text looks on a background with the Yxy color 48.3790, 0.4017, 0.3937.



This preview shows how white text looks on a background with the Yxy color 48.3790, 0.4017, 0.3937.

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

48.3790, 0.4017, 0.3937

Protanopia

48.4580, 0.3748, 0.4048

Deuteranopia

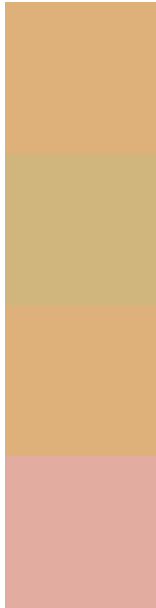
48.3790, 0.4017, 0.3937



Tritanopia

48.2473, 0.3557, 0.3142

Trichromacy



Original Color

48.3790, 0.4017, 0.3937

Protanomaly

48.3210, 0.3844, 0.4005

Deuteranomaly

48.3790, 0.4017, 0.3937

Tritanomaly

48.2119, 0.3735, 0.3432

Monochromacy



Original Color

48.3790, 0.4017, 0.3937

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.6267, 0.3442, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3790, 0.4017, 0.3937 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(222, 177, 122)` looks like.

```
.text, #text, p{  
    color:rgb(222, 177, 122)  
}
```

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(222, 177, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 177, 122) }
```

Border

The CSS property to change the border of an element to Yxy 48.3790, 0.4017, 0.3937 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(222, 177, 122) }
```

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

```
.border{ border-color:rgb(222, 177, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 177, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 177, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 177, 122);  
box-shadow:4px 4px 4px 4px rgb(222, 177,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3790, 0.4017, 0.3937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 177, 122) }
```

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

```
.background{ background-color: rgb(222,  
177, 122) }
```

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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