

Converting Colors

$Y_{xy}(49.1599, 0.4056, 0.3937)$

Have a look what the booklet for
Yxy(49.1599, 0.4056, 0.3937)
contains.

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Color

Yxy(48.9935, 0.4062, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	E2B179
RGB	226, 177, 121
RGB Percent	89%, 69%, 47%
CMY	0.1137, 0.3059, 0.5255
CMYK	0.00, 0.22, 0.46, 0.11
HSL	32°, 64%, 68%
HSV	32°, 46%, 89%
XYZ	50.5362, 48.9935, 24.8824
YIQ	185.2670, 47.1800, -7.0280

Conversions

Conversions Part 2

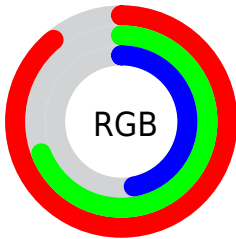
Format	Color
R_{YB}	213, 226, 121
Decimal	14856569
CIE _{Lab}	75.45, 10.90, 35.39
CIE _{LCh}	75, 37.031, 72.889
Yxy	48.9935, 0.4062, 0.3938
Android (android.graphics.Color)	4293046649 (0xFFE2B179)
YUV	185.2670, -31.6836, 35.7228
Hunter-Lab	69.9954, 6.3840, 27.9199

Details

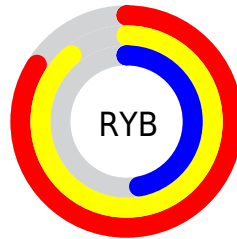
The Yxy color **48.9935, 0.4062, 0.3938** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.3011, 0.2372, 0.2524**, and the grayscale version is **48.8335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5938, 0.3672, 0.3887**, and **23.1951, 0.4310, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **44.4987, 0.4318, 0.4062**, and if you desaturate by 10%, it is **53.9448, 0.3821, 0.3800**.

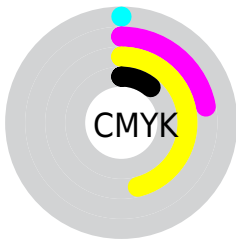
Distribution



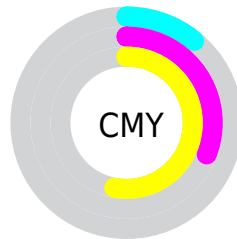
- Red (89%)
- Green (69%)
- Blue (47%)



- Red (84%)
- Yellow (89%)
- Blue (47%)



- Cyan (0%)
- Magenta (22%)
- Yellow (46%)
- Black (11%)





- Cyan (11%)
- Magenta (31%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9935, 0.4062, 0.3938 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 48.9935, 0.4062, 0.3938 by changing the saturation by 10% instead.


 48.9935, 0.4062,
0.3938


 48.9935, 0.4062,
0.3938


382.7167, 0.3602,
0.3636


 34.6143, 0.4171,
0.4004


 88.6818, 0.3898,
0.3835

 23.3659, 0.4308,
0.4083


 114.7597, 0.3836,
0.3794

 14.8639, 0.4480,
0.4177


 145.5060, 0.3782,
0.3759

 8.7240, 0.4703,
0.4285

181.3050, 0.3736,
0.3728

 4.5616, 0.5011,
0.4415

222.5412, 0.3696,
0.3701

 1.9924, 0.5452,
0.4548

269.5990, 0.3661,

 0.6030, 0.5819,

0.3677

0.4181

322.8627, 0.3630,
0.3655

0.0000, 0.0000,
0.0000

48.9935, 0.4062,
0.3938

48.9935, 0.4062,
0.3938

44.4987, 0.4318,
0.4062

53.9448, 0.3821,
0.3800

40.4368, 0.4580,
0.4159

59.3608, 0.3601,
0.3655

36.7924, 0.4836,
0.4217

65.2583, 0.3404,
0.3512

33.5455, 0.5068,
0.4224

71.6509, 0.3229,
0.3375

30.6726, 0.5263,
0.4177

78.5516, 0.3075,
0.3245

■ 29.7339, 0.5327,
0.4152

■ 85.8695, 0.2949,
0.3140

■ 92.2688, 0.2951,
0.3248

■ 94.9079, 0.2952,
0.3289

Harmonies

Analogous

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



48.9935, 0.4136, 0.3563



48.9935, 0.4062, 0.3938



48.9935, 0.3730, 0.4182

Triad

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



48.9935, 0.4062, 0.3938



48.9935, 0.2390, 0.3354



48.9935, 0.2937, 0.2565

Complementary

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



48.9935, 0.4062, 0.3938



38.3011, 0.2372, 0.2524

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.



48.9935, 0.2508, 0.2480



48.9935, 0.4062, 0.3938



48.9935, 0.2214, 0.2885

Square

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



48.9935, 0.4062, 0.3938



48.9935, 0.2762, 0.3853



48.9935, 0.2256, 0.2582



48.9935, 0.3455, 0.2808

Rectangle

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



48.9935, 0.4062, 0.3938



48.9935, 0.3419, 0.4209



48.9935, 0.2256, 0.2582



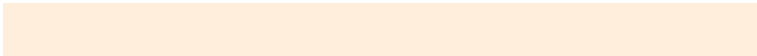
48.9935, 0.2778, 0.2518

Sweetspot

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



48.9958, 0.4062, 0.3938



87.7395, 0.3360, 0.3479



32.7454, 0.3783, 0.2725



18.4004, 0.3400, 0.3510



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.



48.9958, 0.4062, 0.3938



58.5604, 0.4316, 0.4061



71.3783, 0.3785, 0.4435



14.9052, 0.3279, 0.3415



17.2041, 0.5304, 0.4170



1.3713, 0.5087, 0.4343

Inverse Universe

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



38.3011, 0.2372, 0.2524



42.8487, 0.2215, 0.2323



23.4886, 0.2272, 0.1844



14.2923, 0.2981, 0.3162



9.1813, 0.1743, 0.1474



0.8144, 0.1824, 0.1765

Previews

White Background



This preview shows how the Yxy color 48.9935, 0.4062, 0.3938 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 48.9935, 0.4062, 0.3938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

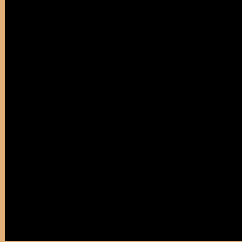
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9935, 0.4062, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 48.9935, 0.4062, 0.3938.



This preview shows how white text looks on a background with the Yxy color 48.9935, 0.4062, 0.3938.

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

48.9935, 0.4062, 0.3938

Protanopia

49.1550, 0.3762, 0.4054

Deuteranopia

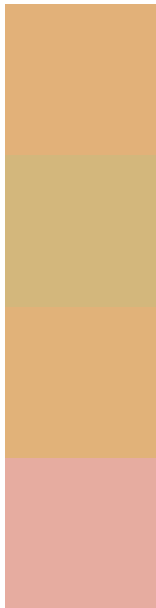
49.0686, 0.4038, 0.3954



Tritanopia

48.9091, 0.3594, 0.3144

Trichromacy



Original Color

48.9935, 0.4062, 0.3938

Protanomaly

49.1711, 0.3867, 0.4009

Deuteranomaly

49.2288, 0.4047, 0.3951

Tritanomaly

48.8661, 0.3772, 0.3430

Monochromacy



Original Color

48.9935, 0.4062, 0.3938

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3439, 0.3450, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9935, 0.4062, 0.3938 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(226, 177, 121)` looks like.

```
.text, #text, p{  
    color:rgb(226, 177, 121)  
}
```

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(226, 177, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 177, 121) }
```

Border

The CSS property to change the border of an element to Yxy 48.9935, 0.4062, 0.3938 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(226, 177, 121) }
```

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

```
.border{ border-color:rgb(226, 177, 121) }
```

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

Here you see how a box with a 4 pixel rgb(226, 177, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 177, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 177, 121);  
box-shadow:4px 4px 4px 4px rgb(226, 177,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9935, 0.4062, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 177, 121) }
```

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

```
.background{ background-color: rgb(226,  
177, 121) }
```

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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