

Converting Colors

$Y_{xy}(49.5344, 0.3927, 0.3821)$

Have a look what the booklet for
Yxy(49.5344, 0.3927, 0.3821)
contains.

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Color

Yxy(49.7809, 0.3931, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	E0B385
RGB	224, 179, 133
RGB Percent	88%, 70%, 52%
CMY	0.1216, 0.2980, 0.4785
CMYK	0.00, 0.20, 0.41, 0.12
HSL	30°, 59%, 70%
HSV	30°, 41%, 88%
XYZ	51.0937, 49.7809, 29.1017
YIQ	187.2110, 41.5860, -4.7660

Conversions

Conversions Part 2

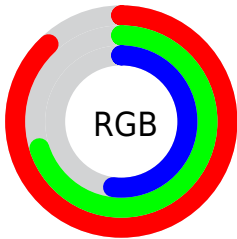
Format	Color
R _Y B	222, 224, 133
Decimal	14726021
CIE Lab	75.93, 10.28, 29.68
CIE LCh	76, 31.408, 70.896
Yxy	49.7809, 0.3931, 0.3830
Android (android.graphics.Color)	4292916101 (0xFFE0B385)
YUV	187.2110, -26.7260, 32.2640
Hunter-Lab	70.5556, 5.7906, 24.9339

Details

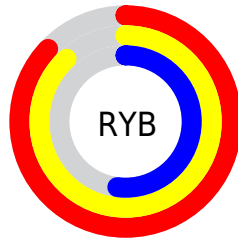
The Yxy color $49.7809, 0.3931, 0.3830$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $42.2019, 0.2473, 0.2673$, and the grayscale version is $49.9564, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.2645, 0.3580, 0.3774$, and $23.7617, 0.4148, 0.3949$ is the 20% darker color. If you saturate the color by 10%, you get $44.9662, 0.4187, 0.3957$, and if you desaturate by 10%, it is $55.0888, 0.3696, 0.3694$.

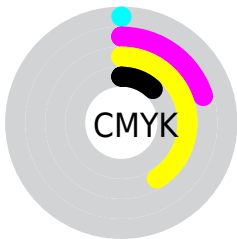
Distribution



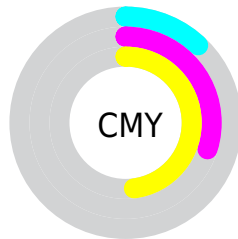
- Red (88%)
- Green (70%)
- Blue (52%)



- Red (87%)
- Yellow (88%)
- Blue (52%)



- Cyan (0%)
- Magenta (20%)
- Yellow (41%)
- Black (12%)





- Cyan (12%)
- Magenta (30%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7809, 0.3931, 0.3830 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 49.7809, 0.3931, 0.3830 by changing the saturation by 10% instead.


 49.7809, 0.3931,
0.3830

 49.7809, 0.3931,
0.3830


385.8085, 0.3534,
0.3576

 35.2393, 0.4027,
0.3887


 89.8502, 0.3789,
0.3742

 23.8473, 0.4147,
0.3957


 116.1467, 0.3735,
0.3708

 15.2204, 0.4302,
0.4041


 147.1302, 0.3689,
0.3678

 8.9742, 0.4507,
0.4144

183.1853, 0.3649,
0.3652

 4.7244, 0.4785,
0.4264

224.6963, 0.3615,
0.3630

 2.0865, 0.5412,
0.4588

272.0476, 0.3585,

 0.6570, 0.5714,

0.3610

0.4286

325.6235, 0.3558,
0.3592

0.0000, 0.0000,
0.0000

49.7809, 0.3931,
0.3830

49.7809, 0.3931,
0.3830

44.9662, 0.4187,
0.3957

55.0888, 0.3696,
0.3694

40.6210, 0.4457,
0.4065

60.8987, 0.3486,
0.3557

36.7294, 0.4731,
0.4141

67.2279, 0.3300,
0.3424

33.2716, 0.4993,
0.4173

74.0905, 0.3137,
0.3298

30.2255, 0.5225,
0.4152

81.5001, 0.2994,
0.3180

■ 27.7154, 0.5409,
0.4087

■ 88.6457, 0.2938,
0.3193

■ 94.5874, 0.2940,
0.3289

Harmonies

Analogous

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



49.7809, 0.3972, 0.3509



49.7809, 0.3931, 0.3830



49.7809, 0.3667, 0.4037

Triad

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



49.7809, 0.3931, 0.3830



49.7809, 0.2517, 0.3377



49.7809, 0.2941, 0.2659

Complementary

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



49.7809, 0.3931, 0.3830



42.2019, 0.2473, 0.2673

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.



49.7809, 0.2581, 0.2597



49.7809, 0.3931, 0.3830



49.7809, 0.2350, 0.2977

Square

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



49.7809, 0.3931, 0.3830



49.7809, 0.2847, 0.3784



49.7809, 0.2374, 0.2702



49.7809, 0.3377, 0.2861

Rectangle

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



49.7809, 0.3931, 0.3830



49.7809, 0.3409, 0.4062



49.7809, 0.2374, 0.2702



49.7809, 0.2808, 0.2621

Sweetspot

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



49.7833, 0.3931, 0.3830



88.9083, 0.3326, 0.3443



35.8539, 0.3635, 0.2761



18.7852, 0.3349, 0.3460



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.



49.7833, 0.3931, 0.3830



61.1133, 0.4153, 0.3942



70.8521, 0.3733, 0.4292



14.8403, 0.3279, 0.3409



16.3629, 0.5385, 0.4106



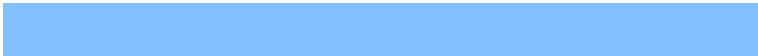
1.3133, 0.5153, 0.4291

Inverse Universe

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



42.2019, 0.2473, 0.2673



49.5915, 0.2334, 0.2512



27.1398, 0.2374, 0.2044



14.3569, 0.2981, 0.3168



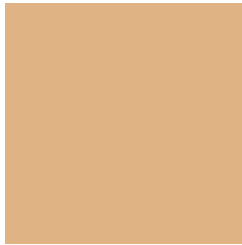
9.9469, 0.1768, 0.1565



0.8685, 0.1846, 0.1846

Previews

White Background



This preview shows how the Yxy color 49.7809, 0.3931, 0.3830 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 49.7809, 0.3931, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

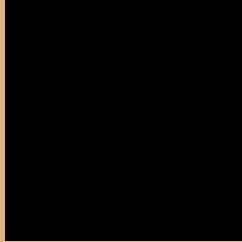
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7809, 0.3931, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 49.7809, 0.3931, 0.3830.



This preview shows how white text looks on a background with the Yxy color 49.7809, 0.3931, 0.3830.

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

49.7809, 0.3931, 0.3830

Protanopia

49.7643, 0.3652, 0.3920

Deuteranopia

49.6216, 0.3922, 0.3832



Tritanopia

49.6658, 0.3532, 0.3143

Trichromacy



Original Color

49.7809, 0.3931, 0.3830

Protanomaly

49.6139, 0.3745, 0.3881

Deuteranomaly

49.6216, 0.3922, 0.3832

Tritanomaly

49.7440, 0.3679, 0.3396

Monochromacy



Original Color

49.7809, 0.3931, 0.3830

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.3504, 0.3403, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7809, 0.3931, 0.3830 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(224, 179, 133)` looks like.

```
.text, #text, p{  
    color:rgb(224, 179, 133)  
}
```

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(224, 179, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 179, 133) }
```

Border

The CSS property to change the border of an element to Yxy 49.7809, 0.3931, 0.3830 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(224, 179, 133) }
```

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

```
.border{ border-color:rgb(224, 179, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 179, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 179, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 179, 133);  
box-shadow:4px 4px 4px 4px rgb(224, 179,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7809, 0.3931, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 179, 133) }
```

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

```
.background{ background-color: rgb(224,  
179, 133) }
```

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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