

Converting Colors

$Y_{xy}(47.9732, 0.4027, 0.3838)$

Have a look what the booklet for
Yxy(47.9732, 0.4027, 0.3838)
contains.

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Color

Yxy(47.9732, 0.4027, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	E2AE7F
RGB	226, 174, 127
RGB Percent	89%, 68%, 50%
CMY	0.1136, 0.3177, 0.5019
CMYK	0.00, 0.23, 0.44, 0.11
HSL	28°, 63%, 69%
HSV	28°, 44%, 89%
XYZ	50.3356, 47.9732, 26.6865
YIQ	184.1900, 46.0790, -3.5930

Conversions

Conversions Part 2

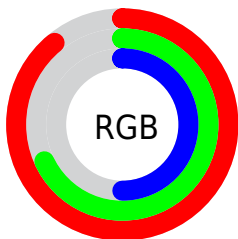
Format	Color
R _Y B	226, 216, 127
Decimal	14855807
CIE Lab	74.81, 13.11, 31.40
CIE LCh	75, 34.032, 67.334
Yxy	47.9732, 0.4027, 0.3838
Android (android.graphics.Color)	4293045887 (0xFFE2AE7F)
YUV	184.1900, -28.1947, 36.6674
Hunter-Lab	69.2627, 8.5125, 25.6398

Details

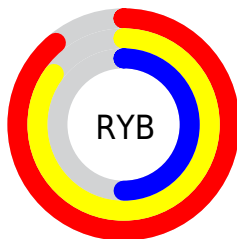
The Yxy color **47.9732, 0.4027, 0.3838** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.2554, 0.2429, 0.2658**, and the grayscale version is **48.1851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1489, 0.3640, 0.3798**, and **22.8899, 0.4275, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **43.0635, 0.4299, 0.3953**, and if you desaturate by 10%, it is **53.4254, 0.3778, 0.3712**.

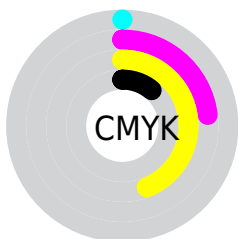
Distribution



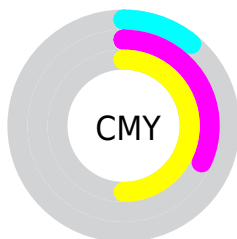
- Red (89%)
- Green (68%)
- Blue (50%)



- Red (89%)
- Yellow (85%)
- Blue (50%)



- Cyan (0%)
- Magenta (23%)
- Yellow (44%)
- Black (11%)




- Cyan (11%)
- Magenta (32%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9732, 0.4027, 0.3838 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 47.9732, 0.4027, 0.3838 by changing the saturation by 10% instead.

 47.9732, 0.4027,
0.3838


 47.9732, 0.4027,
0.3838


378.6859, 0.3580,
0.3583

 33.8057, 0.4135,
0.3894


 87.1645, 0.3867,
0.3751

 22.7443, 0.4271,
0.3961


 112.9571, 0.3806,
0.3716

 14.4048, 0.4447,
0.4041

 143.3934, 0.3754,
0.3686

 8.4028, 0.4678,
0.4134

178.8579, 0.3709,
0.3660

 4.3537, 0.4993,
0.4234

219.7351, 0.3671,
0.3637

 1.8733, 0.5577,
0.4423

266.4092, 0.3637,

 0.5323, 0.6081,

0.3617

0.3919

319.2646, 0.3607,
0.3599

0.0000, 0.0000,
0.0000

47.9732, 0.4027,
0.3838

47.9732, 0.4027,
0.3838

43.0635, 0.4299,
0.3953

53.4254, 0.3778,
0.3712

38.6699, 0.4585,
0.4045

59.4313, 0.3555,
0.3582

34.7738, 0.4872,
0.4102

66.0105, 0.3358,
0.3455

31.3523, 0.5142,
0.4110


73.1791, 0.3186,
0.3334

28.3792, 0.5375,
0.4064

80.9530, 0.3037,
0.3221

 26.7436, 0.5501,
0.4014

 88.8465, 0.2950,
0.3191

 94.9119, 0.2952,
0.3289

Harmonies

Analogous

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



47.9732, 0.4041, 0.3479



47.9732, 0.4027, 0.3838



47.9732, 0.3760, 0.4090

Triad

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



47.9732, 0.4027, 0.3838



47.9732, 0.2494, 0.3440



47.9732, 0.2869, 0.2587

Complementary

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



47.9732, 0.4027, 0.3838



42.2554, 0.2429, 0.2658

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.



47.9732, 0.2495, 0.2539



47.9732, 0.4027, 0.3838



47.9732, 0.2292, 0.2989

Square

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



47.9732, 0.4027, 0.3838



47.9732, 0.2870, 0.3880



47.9732, 0.2293, 0.2672



47.9732, 0.3343, 0.2790

Rectangle

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



47.9732, 0.4027, 0.3838



47.9732, 0.3486, 0.4144



47.9732, 0.2293, 0.2672



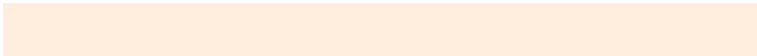
47.9732, 0.2728, 0.2552

Sweetspot

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



47.9755, 0.4027, 0.3838



87.4325, 0.3345, 0.3446



34.6395, 0.3655, 0.2683



18.2860, 0.3386, 0.3474



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.



47.9755, 0.4027, 0.3838



56.8904, 0.4286, 0.3948



70.3297, 0.3791, 0.4334



14.7681, 0.3280, 0.3402



15.4886, 0.5476, 0.4034



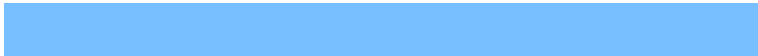
1.2520, 0.5227, 0.4232

Inverse Universe

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



42.2554, 0.2429, 0.2658



48.4017, 0.2283, 0.2490



26.0510, 0.2312, 0.1974



14.4292, 0.2981, 0.3176



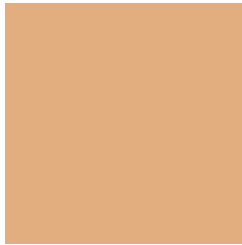
10.8640, 0.1797, 0.1669



0.9320, 0.1872, 0.1938

Previews

White Background



This preview shows how the Yxy color 47.9732, 0.4027, 0.3838 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 47.9732, 0.4027, 0.3838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

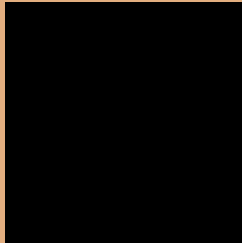
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9732, 0.4027, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 47.9732, 0.4027, 0.3838.



This preview shows how white text looks on a background with the Yxy color 47.9732, 0.4027, 0.3838.

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

47.9732, 0.4027, 0.3838

Protanopia

48.0618, 0.3694, 0.3964

Deuteranopia

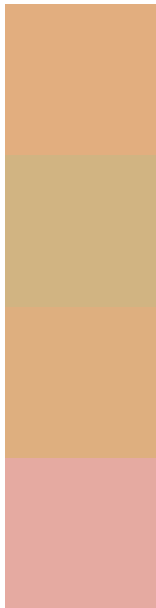
47.7986, 0.3960, 0.3874



Tritanopia

47.9216, 0.3608, 0.3143

Trichromacy



Original Color

47.9732, 0.4027, 0.3838

Protanomaly

47.8095, 0.3813, 0.3908

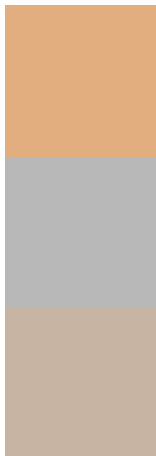
Deuteranomaly

47.7218, 0.3984, 0.3858

Tritanomaly

47.9807, 0.3760, 0.3396

Monochromacy



Original Color

47.9732, 0.4027, 0.3838

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.4290, 0.3437, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9732, 0.4027, 0.3838 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, 174, 127)` looks like.

```
.text, #text, p{  
    color:rgb(226, 174, 127)  
}
```

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, 174, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 174, 127) }
```

Border

The CSS property to change the border of an element to Yxy 47.9732, 0.4027, 0.3838 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, 174, 127) }
```

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

```
.border{ border-color:rgb(226, 174, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 174, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 174, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 174, 127);  
box-shadow:4px 4px 4px 4px rgb(226, 174,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9732, 0.4027, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 174, 127) }
```

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

```
.background{ background-color: rgb(226,  
174, 127) }
```

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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