

Converting Colors

$Y_{xy}(47.7728, 0.4096, 0.3927)$

Have a look what the booklet for
Yxy(47.7728, 0.4096, 0.3927)
contains.

Yxy(47.7728, 0.4096, 0.3927)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.7728, 0.4096, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	E2AE77
RGB	226, 174, 119
RGB Percent	89%, 68%, 47%
CMY	0.1138, 0.3176, 0.5333
CMYK	0.00, 0.23, 0.47, 0.11
HSL	31°, 65%, 68%
HSV	31°, 47%, 89%
XYZ	49.8287, 47.7728, 24.0506
YIQ	183.2780, 48.6470, -6.0810

Conversions

Conversions Part 2

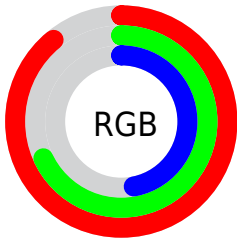
Format	Color
RYB	220, 226, 119
Decimal	14855799
CIELab	74.68, 12.30, 35.45
CIELCh	75, 37.522, 70.868
Yxy	47.7728, 0.4096, 0.3927
Android (android.graphics.Color)	4293045879 (0xFFE2AE77)
YUV	183.2780, -31.6891, 37.4672
Hunter-Lab	69.1179, 7.7286, 27.7516

Details

The Yxy color $47.7728, 0.4096, 0.3927$ is a light color, and the websafe version is hex $CC9966$. A complement of this color would be $38.5376, 0.2363, 0.2537$, and the grayscale version is $47.6733, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.2772, 0.3697, 0.3869$, and $22.6736, 0.4350, 0.4079$ is the 20% darker color. If you saturate the color by 10%, you get $43.2237, 0.4360, 0.4044$, and if you desaturate by 10%, it is $52.8026, 0.3849, 0.3794$.

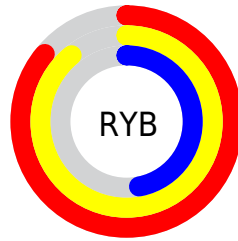
Distribution



Red (89%)

Green (68%)

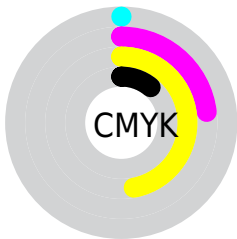
Blue (47%)



Red (86%)

Yellow (89%)

Blue (47%)

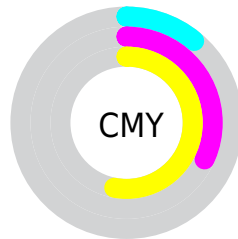


Cyan (0%)

Magenta (23%)

Yellow (47%)

Black (11%)



Cyan (11%)

Magenta (32%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7728, 0.4096, 0.3927 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 47.7728, 0.4096, 0.3927 by changing the saturation by 10% instead.

 47.7728, 0.4096,
0.3927

 47.7728, 0.4096,
0.3927


377.8909, 0.3617,
0.3631

 33.6470, 0.4210,
0.3991


 86.8660, 0.3925,
0.3826

 22.6225, 0.4353,
0.4067


 112.6022, 0.3860,
0.3786

 14.3150, 0.4535,
0.4157


 142.9774, 0.3804,
0.3751

 8.3401, 0.4769,
0.4258

178.3759, 0.3757,
0.3721

 4.3133, 0.5109,
0.4386

219.1820, 0.3715,
0.3695

 1.8503, 0.5538,
0.4462

265.7803, 0.3678,

 0.5183, 0.6047,

0.3671

0.3953

318.5551, 0.3646,
0.3650

0.0000, 0.0000,
0.0000

47.7728, 0.4096,
0.3927

47.7728, 0.4096,
0.3927

43.2237, 0.4360,
0.4044

52.8026, 0.3849,
0.3794

39.1307, 0.4631,
0.4134

58.3224, 0.3623,
0.3655

35.4771, 0.4894,
0.4184

64.3500, 0.3422,
0.3517

32.2416, 0.5133,
0.4182

70.9000, 0.3244,
0.3383

29.3985, 0.5334,
0.4126

77.9862, 0.3088,
0.3257

■ 28.6995, 0.5384,
0.4107

■ 85.6219, 0.2952,
0.3140

■ 92.3061, 0.2951,
0.3248

■ 94.9076, 0.2952,
0.3289

Harmonies

Analogous

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



47.7728, 0.4152, 0.3540



47.7728, 0.4096, 0.3927



47.7728, 0.3771, 0.4191

Triad

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



47.7728, 0.4096, 0.3927



47.7728, 0.2394, 0.3390



47.7728, 0.2898, 0.2540

Complementary

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



47.7728, 0.4096, 0.3927



38.5376, 0.2363, 0.2537

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.



47.7728, 0.2472, 0.2465



47.7728, 0.4096, 0.3927



47.7728, 0.2201, 0.2903

Square

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



47.7728, 0.4096, 0.3927



47.7728, 0.2785, 0.3897



47.7728, 0.2229, 0.2582



47.7728, 0.3426, 0.2778

Rectangle

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



47.7728, 0.4096, 0.3927



47.7728, 0.3458, 0.4234



47.7728, 0.2229, 0.2582



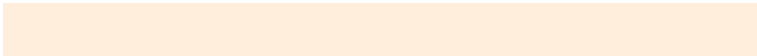
47.7728, 0.2740, 0.2495

Sweetspot

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



47.7751, 0.4096, 0.3927



87.3373, 0.3361, 0.3473



32.3619, 0.3758, 0.2676



18.3025, 0.3401, 0.3502



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.



47.7751, 0.4096, 0.3927



56.8137, 0.4361, 0.4045



71.8886, 0.3824, 0.4442



14.8600, 0.3279, 0.3411



16.6131, 0.5361, 0.4125



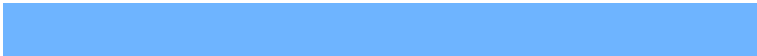
1.3307, 0.5133, 0.4307

Inverse Universe

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



38.5376, 0.2363, 0.2537



43.2677, 0.2207, 0.2340



22.6097, 0.2228, 0.1803



14.3372, 0.2981, 0.3166



9.7083, 0.1760, 0.1537



0.8517, 0.1839, 0.1821

Previews

White Background



This preview shows how the Yxy color 47.7728, 0.4096, 0.3927 looks on a white background.

Color Contrast Check

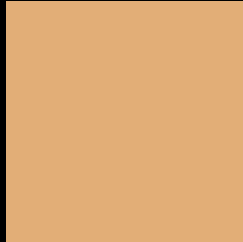
Large Text (above 18pt) WCAG AA × Fail

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 47.7728, 0.4096, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

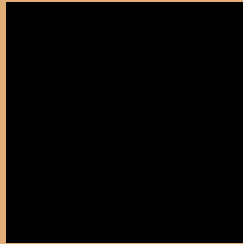
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7728, 0.4096, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 47.7728, 0.4096, 0.3927.



This preview shows how white text looks on a background with the Yxy color 47.7728, 0.4096, 0.3927.

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

47.7728, 0.4096, 0.3927

Protanopia

47.9904, 0.3768, 0.4061

Deuteranopia

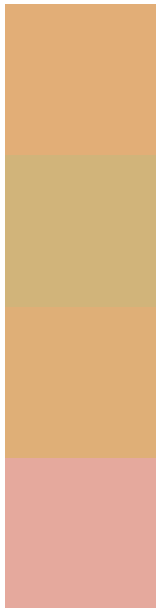
47.9122, 0.4048, 0.3959



Tritanopia

47.5160, 0.3620, 0.3143

Trichromacy



Original Color

47.7728, 0.4096, 0.3927

Protanomaly

47.6030, 0.3880, 0.4004

Deuteranomaly

47.6798, 0.4063, 0.3946

Tritanomaly

47.4683, 0.3801, 0.3431

Monochromacy



Original Color

47.7728, 0.4096, 0.3927

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.3227, 0.3462, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7728, 0.4096, 0.3927 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(226, 174, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 174, 119) }
```

Border

The CSS property to change the border of an element to Yxy 47.7728, 0.4096, 0.3927 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, 119) }
```

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

```
.border{ border-color:rgb(226, 174, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 174, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 174, 119);  
box-shadow:4px 4px 4px 4px rgb(226, 174,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7728, 0.4096, 0.3927 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, 119) }
```

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

```
.background{ background-color: rgb(226,  
174, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor