

# Converting Colors

$Yxy(47.0879, 0.3991, 0.3596)$

Have a look what the booklet for  
Yxy(47.0879, 0.3991, 0.3596)  
contains.

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# Color

**Yxy(47.2520, 0.3994, 0.3601)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9A88D
RGB	233, 168, 141
RGB Percent	91%, 66%, 55%
CMY	0.0864, 0.3411, 0.4470
CMYK	0.00, 0.28, 0.39, 0.09
HSL	18°, 68%, 73%
HSV	18°, 39%, 91%
XYZ	52.4089, 47.2520, 31.5582
YIQ	184.3570, 47.4070, 5.3830

# Conversions

## Conversions Part 2

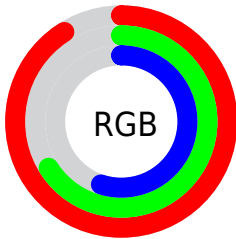
Format	Color
RYB	233, 179, 141
Decimal	15313037
CIELab	74.35, 20.57, 23.42
CIELCh	74, 31.168, 48.713
Yxy	47.2520, 0.3994, 0.3601
Android (android.graphics.Color)	4293503117 (0xFFE9A88D)
YUV	184.3570, -21.3750, 42.6599
Hunter-Lab	68.7401, 15.7970, 20.8984

# Details

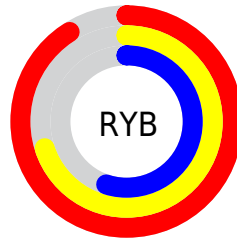
The Yxy color **47.2520, 0.3994, 0.3601** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **55.6691, 0.2530, 0.2950**, and the grayscale version is **48.2423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9755, 0.3553, 0.3576**, and **22.3601, 0.4230, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **40.9352, 0.4311, 0.3676**, and if you desaturate by 10%, it is **54.4881, 0.3719, 0.3520**.

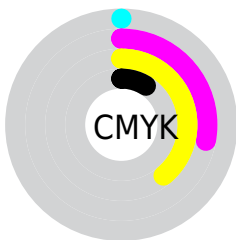
# Distribution



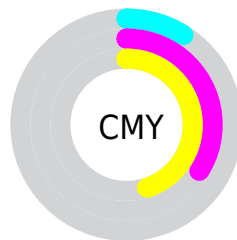
- Red (91%)
- Green (66%)
- Blue (55%)



- Red (91%)
- Yellow (70%)
- Blue (55%)



- Cyan (0%)
- Magenta (28%)
- Yellow (39%)
- Black (9%)




- Cyan (9%)
- Magenta (34%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2520, 0.3994, 0.3601 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 47.2520, 0.3994, 0.3601 by changing the saturation by 10% instead.





 47.2520, 0.3994,  
0.3601


 47.2520, 0.3994,  
0.3601

375.8195, 0.3558,  
0.3462


 33.2349, 0.4102,  
0.3630


 86.0897, 0.3836,  
0.3554

 22.3065, 0.4240,  
0.3664


 111.6790, 0.3776,  
0.3536

 14.0823, 0.4421,  
0.3703


 141.8946, 0.3726,  
0.3519

 8.1779, 0.4669,  
0.3744

177.1208, 0.3683,  
0.3505

 4.2090, 0.5021,  
0.3778

217.7420, 0.3645,  
0.3492

 1.7911, 0.5834,  
0.3961

264.1426, 0.3613,

 0.4816, 0.6672,

0.3481

0.3328

316.7069, 0.3584,  
0.3471

0.0000, 0.0000,  
0.0000

47.2520, 0.3994,  
0.3601

47.2520, 0.3994,  
0.3601

40.9352, 0.4311,  
0.3676

54.4881, 0.3719,  
0.3520

35.4930, 0.4664,  
0.3736

62.6721, 0.3484,  
0.3438

30.8871, 0.5039,  
0.3769

71.8399, 0.3286,  
0.3360

27.0732, 0.5408,  
0.3764

82.0234, 0.3119,  
0.3286

24.0024, 0.5735,  
0.3713

93.0915, 0.2993,  
0.3243

■ 21.6141, 0.5990,  
0.3621

■ 96.0596, 0.2993,  
0.3290

■ 21.5059, 0.6002,  
0.3617

# Harmonies

## Analogous

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



47.2520, 0.3848, 0.3251



47.2520, 0.3994, 0.3601



47.2520, 0.3888, 0.3904

# Triad

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



47.2520, 0.3994, 0.3601



47.2520, 0.2745, 0.3691



47.2520, 0.2658, 0.2592

# Complementary

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



47.2520, 0.3994, 0.3601



55.6691, 0.2530, 0.2950

# 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.



47.2520, 0.2404, 0.2652



47.2520, 0.3994, 0.3601



47.2520, 0.2450, 0.3265

# Square

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



47.2520, 0.3994, 0.3601



47.2520, 0.3155, 0.3998



47.2520, 0.2331, 0.2886



47.2520, 0.3051, 0.2694



# Rectangle

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



47.2520, 0.3994, 0.3601



47.2520, 0.3697, 0.4035



47.2520, 0.2331, 0.2886



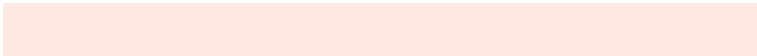
47.2520, 0.2555, 0.2593

# Sweetspot

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



47.2543, 0.3994, 0.3601



85.1611, 0.3334, 0.3380



40.8711, 0.3414, 0.2567



17.9057, 0.3359, 0.3390



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.



47.2543, 0.3994, 0.3601



51.8951, 0.4236, 0.3660



66.8557, 0.3796, 0.4079



15.7749, 0.3286, 0.3360



12.3922, 0.5974, 0.3638



1.1345, 0.5703, 0.3854



# Inverse Universe

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



55.6691, 0.2530, 0.2950



63.4638, 0.2424, 0.2870



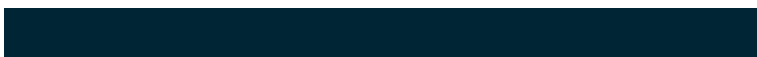
37.0102, 0.2438, 0.2348



16.3312, 0.2981, 0.3219



18.7434, 0.1974, 0.2305



1.6370, 0.2016, 0.2458



# Previews

## White Background



This preview shows how the Yxy color 47.2520, 0.3994, 0.3601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

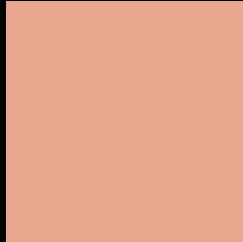
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2520, 0.3994, 0.3601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

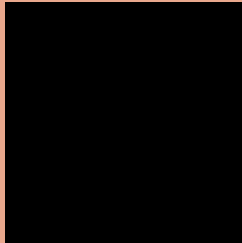
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.2520, 0.3994, 0.3601**

## Background



This preview shows how black text looks on a background with the Yxy color 47.2520, 0.3994, 0.3601.



This preview shows how white text looks on a background with the Yxy color 47.2520, 0.3994, 0.3601.

# 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

47.2520, 0.3994, 0.3601

### Protanopia

47.4744, 0.3511, 0.3743

### Deuteranopia

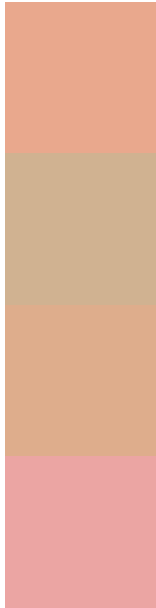
47.3912, 0.3799, 0.3729



## Tritanopia

47.1618, 0.3703, 0.3145

# Trichromacy



**Original Color**

47.2520, 0.3994, 0.3601

**Protanomaly**

47.2950, 0.3682, 0.3701

**Deuteranomaly**

47.3102, 0.3878, 0.3684

**Tritanomaly**

47.2168, 0.3814, 0.3315

# Monochromacy



**Original Color**

47.2520, 0.3994, 0.3601

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

47.2245, 0.3425, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2520, 0.3994, 0.3601 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(233, 168, 141)` looks like.

```
.text, #text, p{  
    color:rgb(233, 168, 141)  
}
```

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(233, 168, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 168, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2520, 0.3994, 0.3601 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(233, 168, 141) }
```

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

```
.border{ border-color:rgb(233, 168, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 168, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 168, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 168, 141);  
box-shadow:4px 4px 4px 4px rgb(233, 168,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2520, 0.3994, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 168, 141) }
```

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

```
.background{ background-color: rgb(233,  
168, 141) }
```

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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