

# Converting Colors

$Y_{xy}(40.7494, 0.4086, 0.3522)$

Have a look what the booklet for  
Yxy(40.7494, 0.4086, 0.3522)  
contains.

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# Color

**Yxy(40.8068, 0.4089, 0.3527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E39985
RGB	227, 153, 133
RGB Percent	89%, 60%, 52%
CMY	0.1097, 0.4000, 0.4783
CMYK	0.00, 0.33, 0.41, 0.11
HSL	13°, 63%, 71%
HSV	13°, 41%, 89%
XYZ	47.3090, 40.8068, 27.5825
YIQ	172.8460, 50.5240, 9.4680

# Conversions

## Conversions Part 2

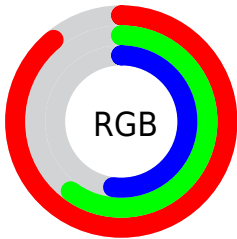
Format	Color
R <sub>Y</sub> B	227, 158, 133
Decimal	14915973
CIE Lab	70.04, 25.39, 21.80
CIE LCh	70, 33.462, 40.648
Yxy	40.8068, 0.4089, 0.3527
Android (android.graphics.Color)	4293106053 (0xFFE39985)
YUV	172.8460, -19.6441, 47.4931
Hunter-Lab	63.8802, 20.4050, 19.1156

# Details

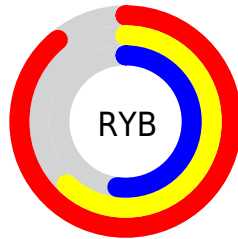
The Yxy color **40.8068, 0.4089, 0.3527** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **55.1854, 0.2521, 0.3033**, and the grayscale version is **41.7913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9169, 0.3657, 0.3519**, and **18.3669, 0.4385, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **34.8270, 0.4439, 0.3579**, and if you desaturate by 10%, it is **47.8030, 0.3788, 0.3469**.

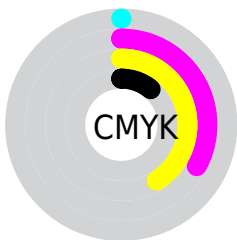
# Distribution



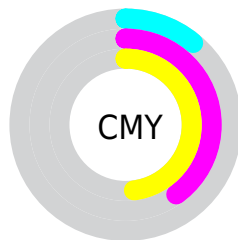
- Red (89%)
- Green (60%)
- Blue (52%)



- Red (89%)
- Yellow (62%)
- Blue (52%)



- Cyan (0%)
- Magenta (33%)
- Yellow (41%)
- Black (11%)




- Cyan (11%)
- Magenta (40%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8068, 0.4089, 0.3527 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 40.8068, 0.4089, 0.3527 by changing the saturation by 10% instead.





 40.8068, 0.4089,  
0.3527

 40.8068, 0.4089,  
0.3527


349.5125, 0.3593,  
0.3425

 28.1682, 0.4216,  
0.3546


 76.3905, 0.3906,  
0.3494

 18.4525, 0.4380,  
0.3567


 100.1044, 0.3838,  
0.3481

 11.2753, 0.4600,  
0.3586


 128.2788, 0.3781,  
0.3469

 6.2523, 0.4907,  
0.3598

161.2981, 0.3732,  
0.3458

 2.9991, 0.5357,  
0.3579

199.5467, 0.3690,  
0.3448

 1.1313, 0.6367,  
0.3633

243.4091, 0.3654,

 0.0045, 0.9929,

0.3440

0.0071

293.2695, 0.3622,  
0.3432

0.0000, 0.0000,  
0.0000

40.8068, 0.4089,  
0.3527

40.8068, 0.4089,  
0.3527

34.8270, 0.4439,  
0.3579

47.8030, 0.3788,  
0.3469

29.8101, 0.4830,  
0.3616

55.8543, 0.3534,  
0.3409

25.7063, 0.5242,  
0.3629

65.0043, 0.3324,  
0.3351

22.4589, 0.5637,  
0.3608

75.2926, 0.3149,  
0.3297

20.0045, 0.5966,  
0.3550

86.7567, 0.3005,  
0.3247

■ 18.4666, 0.6173,  
0.3481

■ 95.0738, 0.2958,  
0.3290

# Harmonies

## Analogous

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



40.8068, 0.3851, 0.3140



40.8068, 0.4089, 0.3527



40.8068, 0.4041, 0.3892

# Triad

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



40.8068, 0.4089, 0.3527



40.8068, 0.2810, 0.3861



40.8068, 0.2507, 0.2510

# Complementary

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



40.8068, 0.4089, 0.3527



55.1854, 0.2521, 0.3033

# 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.



40.8068, 0.2277, 0.2625



40.8068, 0.4089, 0.3527



40.8068, 0.2438, 0.3390

# Square

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



40.8068, 0.4089, 0.3527



40.8068, 0.3285, 0.4145



40.8068, 0.2252, 0.2932



40.8068, 0.2910, 0.2579



# Rectangle

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



40.8068, 0.4089, 0.3527



40.8068, 0.3862, 0.4076



40.8068, 0.2252, 0.2932



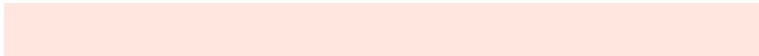
40.8068, 0.2409, 0.2527

# Sweetspot

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



40.8088, 0.4089, 0.3527



83.7599, 0.3337, 0.3355



37.6810, 0.3353, 0.2454



17.5779, 0.3363, 0.3363



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.



40.8088, 0.4089, 0.3527



46.1109, 0.4399, 0.3574



58.7923, 0.3865, 0.4036



14.8617, 0.3287, 0.3341



10.9055, 0.6150, 0.3499



0.9394, 0.5872, 0.3719



# Inverse Universe

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



55.1854, 0.2521, 0.3033



67.2093, 0.2410, 0.2967



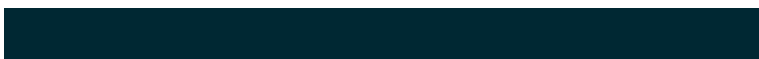
36.1038, 0.2419, 0.2404



15.7893, 0.2981, 0.3239



22.1600, 0.2054, 0.2593



1.7678, 0.2085, 0.2707



# Previews

## White Background



This preview shows how the Yxy color 40.8068, 0.4089, 0.3527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

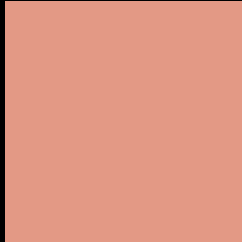
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.8068, 0.4089, 0.3527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

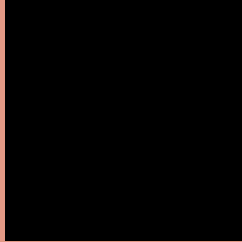
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.8068, 0.4089, 0.3527**

## Background



This preview shows how black text looks on a background with the Yxy color 40.8068, 0.4089, 0.3527.



This preview shows how white text looks on a background with the Yxy color 40.8068, 0.4089, 0.3527.

# 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

40.8068, 0.4089, 0.3527

### Protanopia

40.9026, 0.3473, 0.3690

### Deuteranopia

41.1055, 0.3803, 0.3730



## Tritanopia

40.6910, 0.3842, 0.3164

# Trichromacy



**Original Color**

40.8068, 0.4089, 0.3527

**Protanomaly**

40.4208, 0.3691, 0.3619

**Deuteranomaly**

41.0046, 0.3901, 0.3654

**Tritanomaly**

40.5087, 0.3934, 0.3292

# Monochromacy



**Original Color**

40.8068, 0.4089, 0.3527

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

41.0785, 0.3456, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8068, 0.4089, 0.3527 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(227, 153, 133)` looks like.

```
.text, #text, p{  
    color:rgb(227, 153, 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(227, 153, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 153, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8068, 0.4089, 0.3527 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(227, 153, 133) }
```

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

```
.border{ border-color:rgb(227, 153, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 153, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 153, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 153, 133);  
box-shadow:4px 4px 4px 4px rgb(227, 153,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8068, 0.4089, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 153, 133) }
```

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

```
.background{ background-color: rgb(227,  
153, 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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