

# Converting Colors

$Y_{xy}(40.0669, 0.4115, 0.3428)$

Have a look what the booklet for  
Yxy(40.0669, 0.4115, 0.3428)  
contains.

<b>Yxy(39.9749, 0.4112, 0.3420)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.9749, 0.4112, 0.3420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E79489
RGB	231, 148, 137
RGB Percent	91%, 58%, 54%
CMY	0.0941, 0.4196, 0.4628
CMYK	0.00, 0.36, 0.41, 0.09
HSL	7°, 66%, 72%
HSV	7°, 41%, 91%
XYZ	48.0634, 39.9749, 28.8474
YIQ	171.5630, 52.9990, 14.1750

# Conversions

## Conversions Part 2

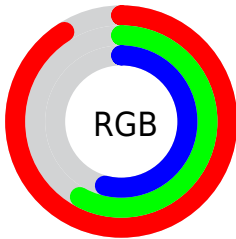
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 149, 137
Decimal	15176841
CIE Lab	69.45, 30.02, 18.88
CIE LCh	69, 35.463, 32.161
Yxy	39.9749, 0.4112, 0.3420
Android (android.graphics.Color)	4293366921 (0xFFE79489)
YUV	171.5630, -17.0396, 52.1262
Hunter-Lab	63.2257, 25.0485, 17.2063

# Details

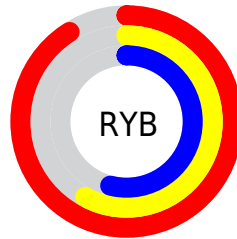
The Yxy color **39.9749, 0.4112, 0.3420** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **62.2802, 0.2547, 0.3152**, and the grayscale version is **41.0912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6896, 0.3639, 0.3426**, and **17.9381, 0.4421, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **33.5384, 0.4489, 0.3448**, and if you desaturate by 10%, it is **47.6848, 0.3793, 0.3388**.

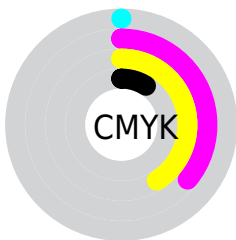
# Distribution



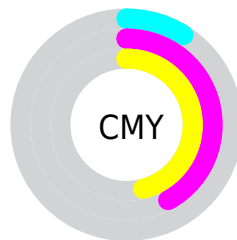
- Red (91%)
- Green (58%)
- Blue (54%)



- Red (91%)
- Yellow (58%)
- Blue (54%)



- Cyan (0%)
- Magenta (36%)
- Yellow (41%)
- Black (9%)




- Cyan (9%)
- Magenta (42%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9749, 0.4112, 0.3420 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 39.9749, 0.4112, 0.3420 by changing the saturation by 10% instead.




 39.9749, 0.4112,  
0.3420


 39.9749, 0.4112,  
0.3420


346.0178, 0.3602,  
0.3372

 27.5190, 0.4244,  
0.3426


 75.1253, 0.3923,  
0.3407

 17.9634, 0.4415,  
0.3429


 98.5885, 0.3853,  
0.3401

 10.9237, 0.4645,  
0.3427


 126.4897, 0.3795,  
0.3395

 6.0155, 0.4968,  
0.3408

159.2131, 0.3745,  
0.3389

 2.8545, 0.5449,  
0.3347

197.1433, 0.3701,  
0.3385

 1.0563, 0.6626,  
0.3374

240.6645, 0.3664,

 0.0000, 1.0000,

0.3380

0.0000

290.1612, 0.3631,  
0.3376

0.0000, 0.0000,  
0.0000

39.9749, 0.4112,  
0.3420

39.9749, 0.4112,  
0.3420

33.5384, 0.4489,  
0.3448

47.6848, 0.3793,  
0.3388

28.3010, 0.4915,  
0.3468

56.7253, 0.3529,  
0.3354

24.1900, 0.5364,  
0.3471


67.1574, 0.3313,  
0.3322


21.1220, 0.5787,  
0.3453

79.0365, 0.3138,  
0.3292

19.0021, 0.6120,  
0.3412

92.4149, 0.2995,  
0.3265

 17.7769, 0.6316,  
0.3367

 95.7313, 0.2982,  
0.3290

# Harmonies

## Analogous

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



39.9749, 0.3781, 0.3020



39.9749, 0.4112, 0.3420



39.9749, 0.4146, 0.3823

# Triad

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



39.9749, 0.4112, 0.3420



39.9749, 0.2924, 0.4017



39.9749, 0.2379, 0.2476

# Complementary

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



39.9749, 0.4112, 0.3420



62.2802, 0.2547, 0.3152

# 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.



39.9749, 0.2196, 0.2652



39.9749, 0.4112, 0.3420



39.9749, 0.2488, 0.3546

# Square

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



39.9749, 0.4112, 0.3420



39.9749, 0.3437, 0.4235



39.9749, 0.2232, 0.3031



39.9749, 0.2758, 0.2498



# Rectangle

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



39.9749, 0.4112, 0.3420



39.9749, 0.4003, 0.4050



39.9749, 0.2232, 0.3031



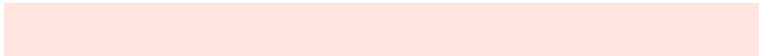
39.9749, 0.2294, 0.2511

# Sweetspot

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



39.9769, 0.4112, 0.3420



82.1401, 0.3340, 0.3326



40.0510, 0.3274, 0.2392



17.1996, 0.3367, 0.3330



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.



39.9769, 0.4112, 0.3420



43.0244, 0.4432, 0.3445



57.8157, 0.3886, 0.3943



14.6382, 0.3290, 0.3318



10.0566, 0.6299, 0.3380



0.8334, 0.6088, 0.3548

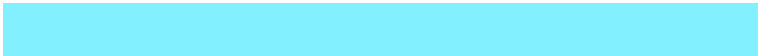


# Inverse Universe

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



62.2802, 0.2547, 0.3152



74.5115, 0.2450, 0.3118



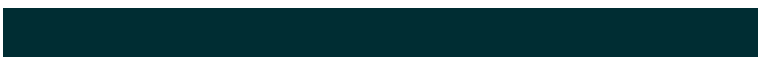
40.9892, 0.2448, 0.2528



16.0332, 0.2982, 0.3262



27.5548, 0.2144, 0.2918



2.1182, 0.2160, 0.2977



# Previews

## White Background



This preview shows how the Yxy color 39.9749, 0.4112, 0.3420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

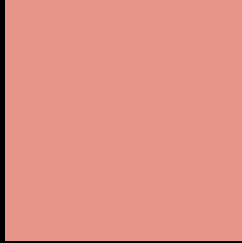
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9749, 0.4112, 0.3420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

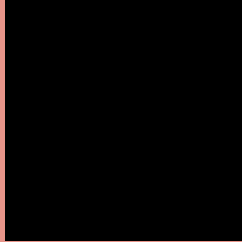
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9749, 0.4112, 0.3420**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9749, 0.4112, 0.3420.



This preview shows how white text looks on a background with the Yxy color 39.9749, 0.4112, 0.3420.

# 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

39.9749, 0.4112, 0.3420

### Protanopia

40.3525, 0.3393, 0.3595

### Deuteranopia

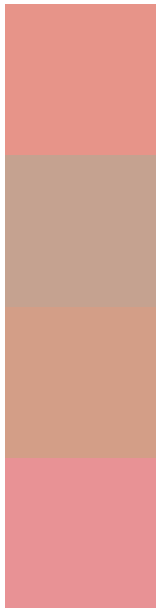
40.0577, 0.3752, 0.3670



## Tritanopia

39.9747, 0.3939, 0.3166

# Trichromacy



**Original Color**

39.9749, 0.4112, 0.3420

**Protanomaly**

39.7246, 0.3640, 0.3528

**Deuteranomaly**

40.0519, 0.3885, 0.3580

**Tritanomaly**

39.8835, 0.4001, 0.3258

# Monochromacy



**Original Color**

39.9749, 0.4112, 0.3420

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

40.0350, 0.3453, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9749, 0.4112, 0.3420 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(231, 148, 137)` looks like.

```
.text, #text, p{  
    color:rgb(231, 148, 137)  
}
```

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(231, 148, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 148, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9749, 0.4112, 0.3420 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(231, 148, 137) }
```

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

```
.border{ border-color:rgb(231, 148, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 148, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 148, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 148, 137);  
box-shadow:4px 4px 4px 4px rgb(231, 148,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9749, 0.4112, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 148, 137) }
```

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

```
.background{ background-color: rgb(231,  
148, 137) }
```

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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