

# Converting Colors

$Y_{xy}(35.7776, 0.4139, 0.3293)$

Have a look what the booklet for  
Yxy(35.7776, 0.4139, 0.3293)  
contains.

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# Color

**Yxy(35.7168, 0.4142, 0.3293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E38888
RGB	227, 136, 136
RGB Percent	89%, 53%, 53%
CMY	0.1098, 0.4666, 0.4666
CMYK	0.00, 0.40, 0.40, 0.11
HSL	0°, 62%, 71%
HSV	0°, 40%, 89%
XYZ	44.9253, 35.7168, 27.8207
YIQ	163.2090, 54.2360, 19.2920

# Conversions

## Conversions Part 2

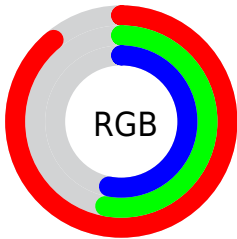
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 136, 136
Decimal	14911624
CIE Lab	66.30, 34.73, 14.99
CIE LCh	66, 37.825, 23.348
Yxy	35.7168, 0.4142, 0.3293
Android (android.graphics.Color)	4293101704 (0xFFE38888)
YUV	163.2090, -13.4140, 55.9447
Hunter-Lab	59.7635, 29.5954, 14.2342

# Details

The Yxy color **35.7168, 0.4142, 0.3293** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **65.7127, 0.2576, 0.3288**, and the grayscale version is **36.7766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7610, 0.3680, 0.3302**, and **15.4475, 0.4482, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **29.4088, 0.4549, 0.3294**, and if you desaturate by 10%, it is **43.5188, 0.3802, 0.3292**.

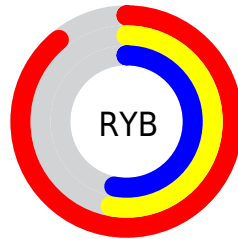
# Distribution



Red (89%)

Green (53%)

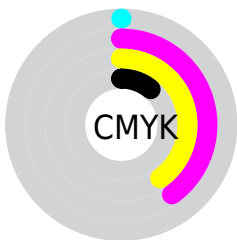
Blue (53%)



Red (89%)

Yellow (53%)

Blue (53%)

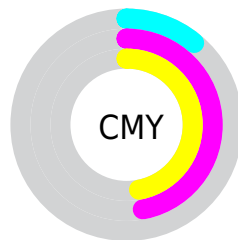


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (11%)



Cyan (11%)

Magenta (47%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7168, 0.4142, 0.3293 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 35.7168, 0.4142, 0.3293 by changing the saturation by 10% instead.




 35.7168, 0.4142,  
0.3293


 35.7168, 0.4142,  
0.3293


327.7210, 0.3607,  
0.3309

 24.2156, 0.4284,  
0.3283

 68.5947, 0.3941,  
0.3303

 15.4936, 0.4470,  
0.3265


 90.7402, 0.3868,  
0.3306

 9.1665, 0.4725,  
0.3234


 117.2025, 0.3806,  
0.3307

 4.8500, 0.5091,  
0.3175

148.3661, 0.3754,  
0.3308

 2.1595, 0.5654,  
0.3050

184.6154, 0.3710,  
0.3309

 0.6978, 0.7095,  
0.2905

226.3347, 0.3671,


 0.0000, 1.0000,


0.3309


0.0000


273.9084, 0.3637,  
0.3309

 0.0000, 0.0000,  
0.0000

 35.7168, 0.4142,  
0.3293


 35.7168, 0.4142,  
0.3293


 29.4088, 0.4549,  
0.3294


 43.5188, 0.3802,  
0.3292

 24.4945, 0.5013,  
0.3296


 52.8959, 0.3526,  
0.3291

 20.8699, 0.5494,  
0.3297


 63.9300, 0.3305,  
0.3291

 18.4141, 0.5929,  
0.3298

 76.6956, 0.3128,  
0.3290

 16.9835, 0.6240,  
0.3299

 91.2627, 0.2988,  
0.3290

 16.3299, 0.6401,  
0.3300

 95.0697, 0.2958,  
0.3290

# Harmonies

## Analogous

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



35.7168, 0.3696, 0.2875



35.7168, 0.4142, 0.3293



35.7168, 0.4279, 0.3741

# Triad

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



35.7168, 0.4142, 0.3293



35.7168, 0.3061, 0.4212



35.7168, 0.2223, 0.2428

# Complementary

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



35.7168, 0.4142, 0.3293



65.7127, 0.2576, 0.3288

# 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.



35.7168, 0.2093, 0.2683



35.7168, 0.4142, 0.3293



35.7168, 0.2544, 0.3745

# Square

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



35.7168, 0.4142, 0.3293



35.7168, 0.3624, 0.4340



35.7168, 0.2202, 0.3155



35.7168, 0.2577, 0.2395



# Rectangle

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



35.7168, 0.4142, 0.3293



35.7168, 0.4178, 0.4016



35.7168, 0.2202, 0.3155



35.7168, 0.2154, 0.2487

# Sweetspot

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



35.7186, 0.4142, 0.3293



80.1908, 0.3345, 0.3291



39.4855, 0.3173, 0.2306



16.7453, 0.3372, 0.3291



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.



35.7186, 0.4142, 0.3293



39.6095, 0.4472, 0.3294



51.3588, 0.3921, 0.3818



14.3681, 0.3293, 0.3291



9.5244, 0.6401, 0.3300



0.7039, 0.6401, 0.3300



# Inverse Universe

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



65.7127, 0.2576, 0.3288



83.6910, 0.2492, 0.3288



44.0317, 0.2483, 0.2690



16.3363, 0.2982, 0.3290



35.2718, 0.2247, 0.3287

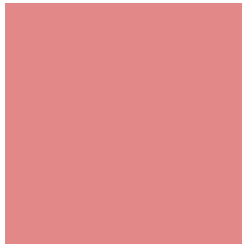


2.6065, 0.2247, 0.3287



# Previews

## White Background



This preview shows how the Yxy color 35.7168, 0.4142, 0.3293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

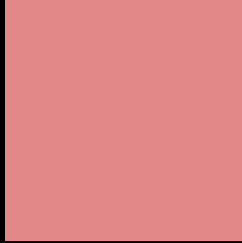
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.7168, 0.4142, 0.3293 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 35.7168, 0.4142, 0.3293**

## Background



This preview shows how black text looks on a background with the Yxy color 35.7168, 0.4142, 0.3293.



This preview shows how white text looks on a background with the Yxy color 35.7168, 0.4142, 0.3293.

# 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

35.7168, 0.4142, 0.3293

### Protanopia

35.9845, 0.3304, 0.3464

### Deuteranopia

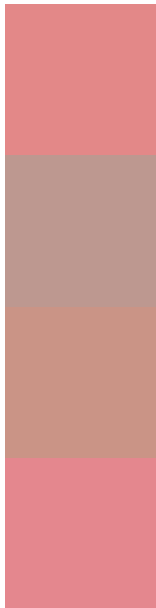
35.7009, 0.3670, 0.3595



## Tritanopia

35.8663, 0.4053, 0.3176

# Trichromacy



**Original Color**

35.7168, 0.4142, 0.3293

**Protanomaly**

35.2889, 0.3589, 0.3401

**Deuteranomaly**

35.4576, 0.3847, 0.3475

**Tritanomaly**

35.7749, 0.4088, 0.3211

# Monochromacy



**Original Color**

35.7168, 0.4142, 0.3293

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

35.5215, 0.3464, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.7168, 0.4142, 0.3293 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, 136, 136)` looks like.

```
.text, #text, p{  
    color:rgb(227, 136, 136)  
}
```

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, 136, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 136, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 35.7168, 0.4142, 0.3293 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, 136, 136) }
```

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

```
.border{ border-color:rgb(227, 136, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 136, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 136, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 136, 136); box-shadow:4px 4px 4px 4px rgb(227, 136, 136) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.7168, 0.4142, 0.3293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 136, 136) }
```

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

```
.background{ background-color: rgb(227,  
136, 136) }
```

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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