

# Converting Colors

$Y_{xy}(35.3259, 0.4462, 0.3404)$

Have a look what the booklet for  
Yxy(35.3259, 0.4462, 0.3404)  
contains.

<b>Yxy(35.3259, 0.4462, 0.3404)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(35.3259, 0.4462, 0.3404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED8278
RGB	237, 130, 120
RGB Percent	93%, 51%, 47%
CMY	0.0705, 0.4902, 0.5294
CMYK	0.00, 0.45, 0.49, 0.07
HSL	5°, 77%, 70%
HSV	5°, 49%, 93%
XYZ	46.3056, 35.3259, 22.1461
YIQ	160.8530, 66.9820, 19.5740

# Conversions

## Conversions Part 2

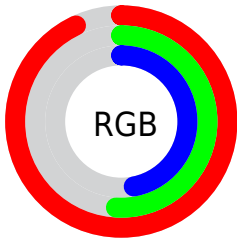
Format	Color
R <sub>Y</sub> B	237, 131, 120
Decimal	15565432
CIE Lab	66.00, 39.98, 23.76
CIE LCh	66, 46.505, 30.729
Yxy	35.3259, 0.4462, 0.3404
Android (android.graphics.Color)	4293755512 (0xFFED8278)
YUV	160.8530, -20.1405, 66.7809
Hunter-Lab	59.4356, 35.0550, 19.5130

# Details

The Yxy color **35.3259, 0.4462, 0.3404** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **65.0703, 0.2457, 0.3164**, and the grayscale version is **35.6407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9365, 0.3842, 0.3429**, and **15.2508, 0.4888, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **29.6499, 0.4895, 0.3419**, and if you desaturate by 10%, it is **42.3629, 0.4082, 0.3383**.

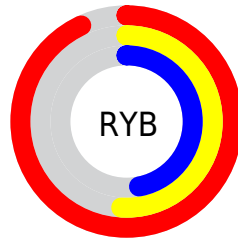
# Distribution



Red (93%)

Green (51%)

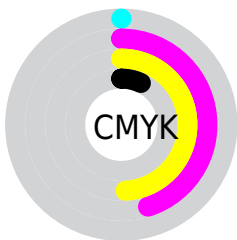
Blue (47%)



Red (93%)

Yellow (51%)

Blue (47%)

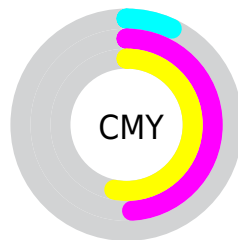


Cyan (0%)

Magenta (45%)

Yellow (49%)

Black (7%)



Cyan (7%)

Magenta (49%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3259, 0.4462, 0.3404 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 35.3259, 0.4462, 0.3404 by changing the saturation by 10% instead.





 35.3259, 0.4462,  
0.3404


 35.3259, 0.4462,  
0.3404


326.0045, 0.3759,  
0.3378


 23.9140, 0.4646,  
0.3398


 67.9903, 0.4200,  
0.3403

 15.2699, 0.4885,  
0.3383


 90.0117, 0.4103,  
0.3400

 9.0090, 0.5206,  
0.3347


 116.3383, 0.4022,  
0.3397

 4.7471, 0.5652,  
0.3268

147.3546, 0.3953,  
0.3393

 2.0996, 0.6440,  
0.3158

183.4450, 0.3894,  
0.3389

 0.6644, 0.7371,  
0.2629

224.9938, 0.3843,


 0.0000, 1.0000,


0.3385


0.0000


272.3855, 0.3798,  
0.3382


 0.0000, 0.0000,  
0.0000


 35.3259, 0.4462,  
0.3404


 35.3259, 0.4462,  
0.3404


 29.6499, 0.4895,  
0.3419


 42.3629, 0.4082,  
0.3383


 25.2417, 0.5355,  
0.3422


 50.8352, 0.3763,  
0.3359

 22.0053, 0.5790,  
0.3409


 60.8184, 0.3501,  
0.3334

 19.8282, 0.6133,  
0.3379

 72.3811, 0.3289,  
0.3311

 18.5713, 0.6339,  
0.3342

 85.5877, 0.3117,  
0.3289

 18.5185, 0.6349,  
0.3341

 96.7499, 0.3018,  
0.3290

# Harmonies

## Analogous

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



35.3259, 0.3989, 0.2897



35.3259, 0.4462, 0.3404



35.3259, 0.4510, 0.3936

# Triad

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



35.3259, 0.4462, 0.3404



35.3259, 0.2863, 0.4343



35.3259, 0.2118, 0.2217

# Complementary

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



35.3259, 0.4462, 0.3404



65.0703, 0.2457, 0.3164

# 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.



35.3259, 0.1899, 0.2439



35.3259, 0.4462, 0.3404



35.3259, 0.2284, 0.3670

# Square

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



35.3259, 0.4462, 0.3404



35.3259, 0.3550, 0.4602



35.3259, 0.1951, 0.2943



35.3259, 0.2594, 0.2245



# Rectangle

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



35.3259, 0.4462, 0.3404



35.3259, 0.4312, 0.4260



35.3259, 0.1951, 0.2943



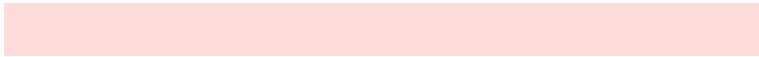
35.3259, 0.2016, 0.2261

# Sweetspot

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



35.3277, 0.4462, 0.3404



77.4509, 0.3404, 0.3324



37.0037, 0.3275, 0.2181



15.9745, 0.3451, 0.3329



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.



35.3277, 0.4462, 0.3404



35.0847, 0.4889, 0.3419



55.4467, 0.4105, 0.4038



15.2606, 0.3291, 0.3311



10.1844, 0.6335, 0.3352



0.8711, 0.6176, 0.3478



# Inverse Universe

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



65.0703, 0.2457, 0.3164



73.7946, 0.2364, 0.3136



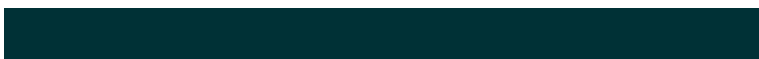
38.3965, 0.2307, 0.2382



16.8891, 0.2981, 0.3269



30.4642, 0.2173, 0.3021



2.4570, 0.2184, 0.3061



# Previews

## White Background



This preview shows how the Yxy color 35.3259, 0.4462, 0.3404 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 35.3259, 0.4462, 0.3404 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 35.3259, 0.4462, 0.3404**

## Background



This preview shows how black text looks on a background with the Yxy color 35.3259, 0.4462, 0.3404.



This preview shows how white text looks on a background with the Yxy color 35.3259, 0.4462, 0.3404.

# 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

35.3259, 0.4462, 0.3404

### Protanopia

35.4089, 0.3467, 0.3670

### Deuteranopia

35.4485, 0.3888, 0.3808



## Tritanopia

35.4216, 0.4282, 0.3194

# Trichromacy



## Original Color

35.3259, 0.4462, 0.3404

## Protanomaly

34.5492, 0.3810, 0.3562

## Deuteranomaly

34.9450, 0.4108, 0.3648

## Tritanomaly

35.5164, 0.4348, 0.3271

# Monochromacy



## Original Color

35.3259, 0.4462, 0.3404

## Achromatopsia

35.6400, 0.3127, 0.3290

## Achromatomaly

34.7068, 0.3575, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.3259, 0.4462, 0.3404 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(237, 130, 120)` looks like.

```
.text, #text, p{  
    color:rgb(237, 130, 120)  
}
```

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(237, 130, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 130, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 35.3259, 0.4462, 0.3404 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(237, 130, 120) }
```

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

```
.border{ border-color:rgb(237, 130, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 130, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 130, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 130, 120);  
box-shadow:4px 4px 4px 4px rgb(237, 130,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.3259, 0.4462, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 130, 120) }
```

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

```
.background{ background-color: rgb(237,  
130, 120) }
```

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