

# Converting Colors

$Y_{xy}(37.6931, 0.4482, 0.3561)$

Have a look what the booklet for  
Yxy(37.6931, 0.4482, 0.3561)  
contains.

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# Color

**Yxy(37.5690, 0.4486, 0.3557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE8A72
RGB	238, 138, 114
RGB Percent	93%, 54%, 45%
CMY	0.0667, 0.4588, 0.5530
CMYK	0.00, 0.42, 0.52, 0.07
HSL	12°, 78%, 69%
HSV	12°, 52%, 93%
XYZ	47.3811, 37.5690, 20.6698
YIQ	165.1640, 67.3040, 13.7360

# Conversions

## Conversions Part 2

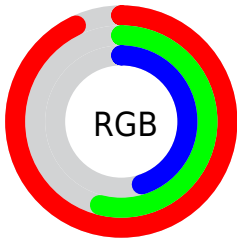
Format	Color
R <sub>Y</sub> B	238, 144, 114
Decimal	15633010
CIE Lab	67.70, 35.67, 29.37
CIE LCh	68, 46.205, 39.466
Yxy	37.5690, 0.4486, 0.3557
Android (android.graphics.Color)	4293823090 (0xFFEE8A72)
YUV	165.1640, -25.2239, 63.8772
Hunter-Lab	61.2936, 30.7202, 22.9113

# Details

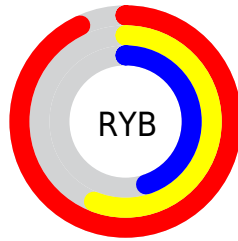
The Yxy color **37.5690, 0.4486, 0.3557** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **57.8186, 0.2394, 0.2983**, and the grayscale version is **37.8101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1531, 0.3864, 0.3575**, and **16.5139, 0.4893, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **32.0692, 0.4889, 0.3589**, and if you desaturate by 10%, it is **44.1861, 0.4125, 0.3511**.

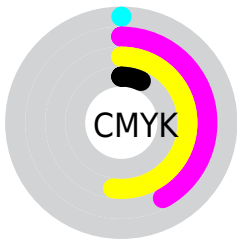
# Distribution



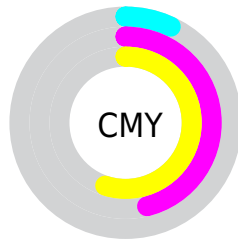
- Red (93%)
- Green (54%)
- Blue (45%)



- Red (93%)
- Yellow (56%)
- Blue (45%)



- Cyan (0%)
- Magenta (42%)
- Yellow (52%)
- Black (7%)




- Cyan (7%)
- Magenta (46%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5690, 0.4486, 0.3557 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 37.5690, 0.4486, 0.3557 by changing the saturation by 10% instead.





 37.5690, 0.4486,  
0.3557


 37.5690, 0.4486,  
0.3557


335.7675, 0.3779,  
0.3458

 25.6483, 0.4666,  
0.3568


 71.4470, 0.4225,  
0.3531


 16.5608, 0.4898,  
0.3572


 94.1732, 0.4128,  
0.3518

 9.9218, 0.5204,  
0.3562


 121.2700, 0.4047,  
0.3506

 5.3472, 0.5618,  
0.3513

 153.1219, 0.3977,  
0.3495

 2.4524, 0.6401,  
0.3485

190.1132, 0.3917,  
0.3484

 0.8526, 0.7002,  
0.2998

232.6283, 0.3865,

 0.0000, 1.0000,

0.3475

0.0000

281.0516, 0.3820,  
0.3466

0.0000, 0.0000,  
0.0000

37.5690, 0.4486,  
0.3557

37.5690, 0.4486,  
0.3557

32.0692, 0.4889,  
0.3589

44.1861, 0.4125,  
0.3511

27.6186, 0.5310,  
0.3597

51.9721, 0.3815,  
0.3458

24.1504, 0.5707,  
0.3572

60.9824, 0.3554,  
0.3403

21.5872, 0.6029,  
0.3512

71.2670, 0.3339,  
0.3350

20.1377, 0.6210,  
0.3451

82.8732, 0.3160,  
0.3300

95.7307, 0.3023,  
0.3271

96.9143, 0.3023,  
0.3290

# Harmonies

## Analogous

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



37.5690, 0.4136, 0.3045



37.5690, 0.4486, 0.3557



37.5690, 0.4411, 0.4068

# Triad

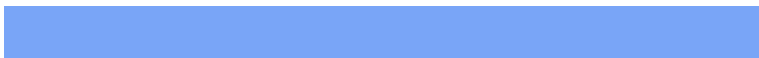
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.5690, 0.4486, 0.3557



37.5690, 0.2689, 0.4150



37.5690, 0.2252, 0.2226

# Complementary

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



37.5690, 0.4486, 0.3557



57.8186, 0.2394, 0.2983

# 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.



37.5690, 0.1963, 0.2370



37.5690, 0.4486, 0.3557



37.5690, 0.2183, 0.3444

# Square

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



37.5690, 0.4486, 0.3557



37.5690, 0.3347, 0.4543



37.5690, 0.1935, 0.2783



37.5690, 0.2786, 0.2318



# Rectangle

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



37.5690, 0.4486, 0.3557



37.5690, 0.4155, 0.4355



37.5690, 0.1935, 0.2783



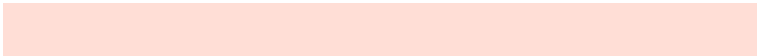
37.5690, 0.2127, 0.2246

# Sweetspot

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



37.5709, 0.4486, 0.3557



78.4246, 0.3419, 0.3371



35.1254, 0.3410, 0.2236



16.2540, 0.3464, 0.3382



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.



37.5709, 0.4486, 0.3557



36.8643, 0.4936, 0.3591



60.1063, 0.4096, 0.4198



16.2546, 0.3288, 0.3336



11.3775, 0.6187, 0.3469



1.0801, 0.5947, 0.3660



# Inverse Universe

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



57.8186, 0.2394, 0.2983



62.8581, 0.2280, 0.2906



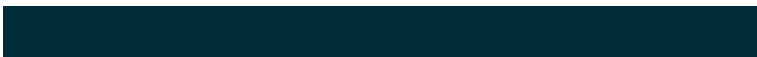
32.6141, 0.2227, 0.2148



17.3779, 0.2981, 0.3243



24.6298, 0.2071, 0.2657



2.1807, 0.2097, 0.2749



# Previews

## White Background



This preview shows how the Yxy color 37.5690, 0.4486, 0.3557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

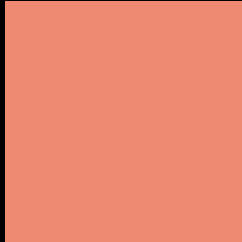
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.5690, 0.4486, 0.3557 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 37.5690, 0.4486, 0.3557**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5690, 0.4486, 0.3557.



This preview shows how white text looks on a background with the Yxy color 37.5690, 0.4486, 0.3557.

# 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

37.5690, 0.4486, 0.3557

### Protanopia

37.7637, 0.3597, 0.3842

### Deuteranopia

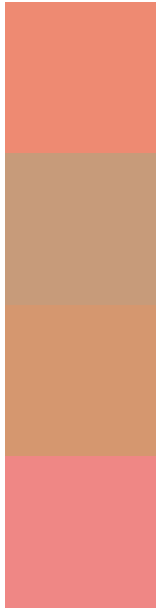
37.5853, 0.3997, 0.3919



## Tritanopia

37.5891, 0.4190, 0.3182

# Trichromacy



**Original Color**

37.5690, 0.4486, 0.3557

**Protanomaly**

36.9899, 0.3907, 0.3726

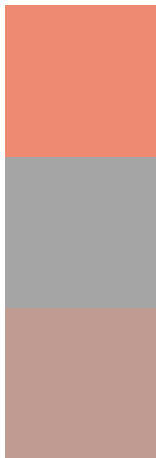
**Deuteranomaly**

37.4270, 0.4184, 0.3785

**Tritanomaly**

37.3721, 0.4302, 0.3316

# Monochromacy



**Original Color**

37.5690, 0.4486, 0.3557

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

36.7245, 0.3591, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5690, 0.4486, 0.3557 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(238, 138, 114)` looks like.

```
.text, #text, p{  
    color:rgb(238, 138, 114)  
}
```

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(238, 138, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 138, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5690, 0.4486, 0.3557 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(238, 138, 114) }
```

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

```
.border{ border-color:rgb(238, 138, 114) }
```

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

Here you see how a box with a 4 pixel rgb(238, 138, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 138, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 138, 114);  
box-shadow:4px 4px 4px 4px rgb(238, 138,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.5690, 0.4486, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 138, 114) }
```

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

```
.background{ background-color: rgb(238,  
138, 114) }
```

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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