

# Converting Colors

$Y_{xy}(34.0929, 0.4559, 0.3566)$

Have a look what the booklet for  
Yxy(34.0929, 0.4559, 0.3566)  
contains.

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# Color

**Yxy(33.9948, 0.4562, 0.3562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7826A
RGB	231, 130, 106
RGB Percent	91%, 51%, 42%
CMY	0.0941, 0.4902, 0.5843
CMYK	0.00, 0.44, 0.54, 0.09
HSL	12°, 72%, 66%
HSV	12°, 54%, 91%
XYZ	43.5385, 33.9948, 17.9041
YIQ	157.4630, 67.9000, 13.9480

# Conversions

## Conversions Part 2

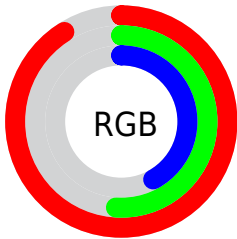
Format	Color
R <sub>Y</sub> B	231, 136, 106
Decimal	15172202
CIE Lab	64.96, 36.47, 30.01
CIE LCh	65, 47.235, 39.450
Yxy	33.9948, 0.4562, 0.3562
Android (android.graphics.Color)	4293362282 (0xFFE7826A)
YUV	157.4630, -25.3713, 64.4919
Hunter-Lab	58.3051, 31.2587, 22.6070

# Details

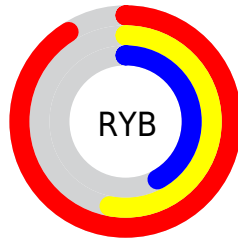
The Yxy color **33.9948, 0.4562, 0.3562** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **53.4567, 0.2374, 0.2973**, and the grayscale version is **34.0317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0096, 0.3967, 0.3565**, and **14.5554, 0.5007, 0.3581** is the 20% darker color. If you saturate the color by 10%, you get **29.0556, 0.4971, 0.3590**, and if you desaturate by 10%, it is **39.9674, 0.4192, 0.3518**.

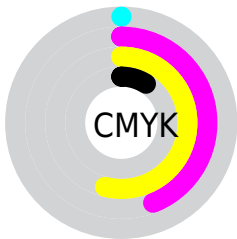
# Distribution



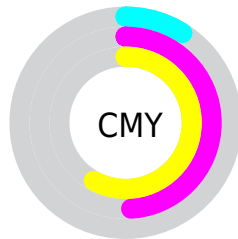
- Red (91%)
- Green (51%)
- Blue (42%)



- Red (91%)
- Yellow (53%)
- Blue (42%)



- Cyan (0%)
- Magenta (44%)
- Yellow (54%)
- Black (9%)




- Cyan (9%)
- Magenta (49%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9948, 0.4562, 0.3562 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 33.9948, 0.4562, 0.3562 by changing the saturation by 10% instead.




 33.9948, 0.4562,  
0.3562


 33.9948, 0.4562,  
0.3562


320.1089, 0.3805,  
0.3463

 22.8896, 0.4758,  
0.3571


 65.9256, 0.4280,  
0.3537


 14.5120, 0.5012,  
0.3570

 87.5200, 0.4176,  
0.3524

 8.4776, 0.5348,  
0.3549


 113.3795, 0.4089,  
0.3512

 4.4021, 0.5805,  
0.3477

 143.8887, 0.4015,  
0.3501

 1.9009, 0.6624,  
0.3376

179.4318, 0.3951,  
0.3490

 0.5489, 0.7386,  
0.2614

220.3932, 0.3896,

 0.0000, 1.0000,

0.3480

0.0000

267.1575, 0.3848,  
0.3471

■ 0.0000, 0.0000,  
0.0000

■ 33.9948, 0.4562,  
0.3562

■ 33.9948, 0.4562,  
0.3562

■ 29.0556, 0.4971,  
0.3590

■ 39.9674, 0.4192,  
0.3518

■ 25.0853, 0.5391,  
0.3592

■ 47.0227, 0.3872,  
0.3467

■ 22.0199, 0.5778,  
0.3560

■ 55.2132, 0.3602,  
0.3413

■ 19.7850, 0.6080,  
0.3495

■ 64.5861, 0.3378,  
0.3360

■ 18.8165, 0.6211,  
0.3451

■ 75.1861, 0.3193,  
0.3310

■ 87.0556, 0.3041,  
0.3263

■ 95.7283, 0.2982,  
0.3290

# Harmonies

## Analogous

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



33.9948, 0.4193, 0.3029



33.9948, 0.4562, 0.3562



33.9948, 0.4478, 0.4099

# Triad

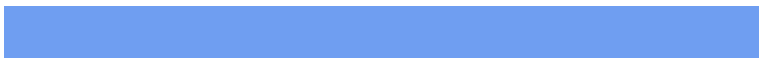
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.9948, 0.4562, 0.3562



33.9948, 0.2662, 0.4205



33.9948, 0.2208, 0.2174

# Complementary

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



33.9948, 0.4562, 0.3562



53.4567, 0.2374, 0.2973

# 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.



33.9948, 0.1907, 0.2321



33.9948, 0.4562, 0.3562



33.9948, 0.2133, 0.3450

# Square

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



33.9948, 0.4562, 0.3562



33.9948, 0.3353, 0.4620



33.9948, 0.1877, 0.2751



33.9948, 0.2765, 0.2272



# Rectangle

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



33.9948, 0.4562, 0.3562



33.9948, 0.4204, 0.4406



33.9948, 0.1877, 0.2751



33.9948, 0.2078, 0.2194

# Sweetspot

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



33.9966, 0.4562, 0.3562



78.3864, 0.3419, 0.3370



31.8558, 0.3423, 0.2203



16.2450, 0.3464, 0.3381



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.



33.9966, 0.4562, 0.3562



35.6795, 0.5023, 0.3592



55.4724, 0.4136, 0.4227



14.8136, 0.3288, 0.3336



10.6842, 0.6187, 0.3469



0.9164, 0.5916, 0.3684



# Inverse Universe

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



53.4567, 0.2374, 0.2973



62.2229, 0.2263, 0.2895



29.2644, 0.2193, 0.2098



15.8412, 0.2981, 0.3244



23.2484, 0.2074, 0.2664



1.8392, 0.2102, 0.2766



# Previews

## White Background



This preview shows how the Yxy color 33.9948, 0.4562, 0.3562 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 33.9948, 0.4562, 0.3562 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 33.9948, 0.4562, 0.3562**

## Background



This preview shows how black text looks on a background with the Yxy color 33.9948, 0.4562, 0.3562.



This preview shows how white text looks on a background with the Yxy color 33.9948, 0.4562, 0.3562.

# 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

33.9948, 0.4562, 0.3562

### Protanopia

34.1967, 0.3616, 0.3881

### Deuteranopia

34.0397, 0.4032, 0.3956



## Tritanopia

33.9946, 0.4266, 0.3191

# Trichromacy



## Original Color

33.9948, 0.4562, 0.3562

## Protanomaly

33.6012, 0.3951, 0.3754

## Deuteranomaly

33.6033, 0.4236, 0.3801

## Tritanomaly

33.7898, 0.4383, 0.3328

# Monochromacy



## Original Color

33.9948, 0.4562, 0.3562

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

32.8928, 0.3615, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.9948, 0.4562, 0.3562 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, 130, 106)` looks like.

```
.text, #text, p{  
    color:rgb(231, 130, 106)  
}
```

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, 130, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 130, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 33.9948, 0.4562, 0.3562 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, 130, 106) }
```

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

```
.border{ border-color:rgb(231, 130, 106) }
```

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

Here you see how a box with a 4 pixel rgb(231, 130, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 130, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 130, 106);  
box-shadow:4px 4px 4px 4px rgb(231, 130,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.9948, 0.4562, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 130, 106) }
```

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

```
.background{ background-color: rgb(231,  
130, 106) }
```

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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