

# Converting Colors

$Yxy(33.9062, 0.4924, 0.3954)$

Have a look what the booklet for  
Yxy(33.9062, 0.4924, 0.3954)  
contains.

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# Color

**Yxy(33.8967, 0.4924, 0.3953)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E78443
RGB	231, 132, 67
RGB Percent	91%, 52%, 26%
CMY	0.0941, 0.4824, 0.7372
CMYK	0.00, 0.43, 0.71, 0.09
HSL	24°, 77%, 58%
HSV	24°, 71%, 91%
XYZ	42.2230, 33.8967, 9.6296
YIQ	154.1910, 79.8690, 0.7730

# Conversions

## Conversions Part 2

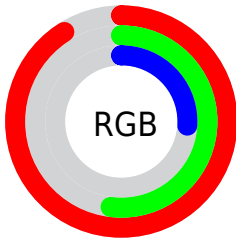
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 175, 67
Decimal	15172675
CIE <sub>Lab</sub>	64.88, 32.89, 50.34
CIE <sub>LCh</sub>	65, 60.132, 56.844
Yxy	33.8967, 0.4924, 0.3953
Android (android.graphics.Color)	4293362755 (0xFFE78443)
YUV	154.1910, -42.9852, 67.3615
Hunter-Lab	58.2209, 27.5653, 30.9481

# Details

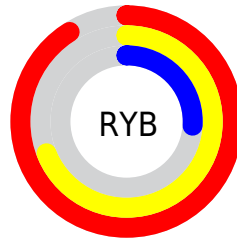
The Yxy color **33.8967, 0.4924, 0.3953** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **34.2476, 0.2092, 0.2358**, and the grayscale version is **32.5708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6858, 0.4288, 0.3985**, and **14.4654, 0.5404, 0.3987** is the 20% darker color. If you saturate the color by 10%, you get **30.1410, 0.5241, 0.3959**, and if you desaturate by 10%, it is **38.2722, 0.4597, 0.3903**.

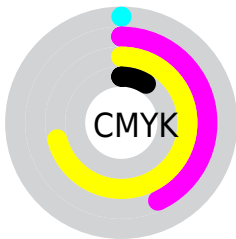
# Distribution



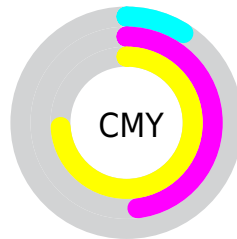
- Red (91%)
- Green (52%)
- Blue (26%)



- Red (91%)
- Yellow (69%)
- Blue (26%)



- Cyan (0%)
- Magenta (43%)
- Yellow (71%)
- Black (9%)




- Cyan (9%)
- Magenta (48%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8967, 0.4924, 0.3953 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 33.8967, 0.4924, 0.3953 by changing the saturation by 10% instead.




 33.8967, 0.4924,  
0.3953


 33.8967, 0.4924,  
0.3953


319.6712, 0.4007,  
0.3698


 22.8143, 0.5140,  
0.3979


 65.7730, 0.4596,  
0.3886


 14.4564, 0.5401,  
0.3987


 87.3356, 0.4471,  
0.3852


 8.4388, 0.5721,  
0.3958


 113.1605, 0.4364,  
0.3821

 4.3770, 0.6136,  
0.3864

 143.6319, 0.4272,  
0.3792

 1.8866, 0.6483,  
0.3517

 179.1343, 0.4192,  
0.3765

 0.5403, 0.7231,  
0.2769

220.0520, 0.4123,

 0.0000, 1.0000,

0.3741

0.0000

266.7695, 0.4061,  
0.3718

■ 0.0000, 0.0000,  
0.0000

■ 33.8967, 0.4924,  
0.3953

■ 33.8967, 0.4924,  
0.3953

■ 30.1410, 0.5241,  
0.3959

■ 38.2722, 0.4597,  
0.3903

■ 26.9658, 0.5521,  
0.3913


■ 43.2928, 0.4282,  
0.3822


■ 24.5653, 0.5731,  
0.3831


■ 48.9884, 0.3991,  
0.3722


■ 55.3850, 0.3732,  
0.3614

■ 62.5074, 0.3506,  
0.3505

 70.3788, 0.3310,  
0.3399

 79.0215, 0.3142,  
0.3300

 88.4565, 0.2999,  
0.3207

 95.7311, 0.2982,  
0.3290

# Harmonies

## Analogous

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



33.8967, 0.4821, 0.3302



33.8967, 0.4924, 0.3953



33.8967, 0.4488, 0.4590

# Triad

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



33.8967, 0.4924, 0.3953



33.8967, 0.2112, 0.3918



33.8967, 0.2342, 0.1968

# Complementary

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



33.8967, 0.4924, 0.3953



34.2476, 0.2092, 0.2358

# 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.



33.8967, 0.1807, 0.1956



33.8967, 0.4924, 0.3953



33.8967, 0.1677, 0.2913

# Square

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



33.8967, 0.4924, 0.3953



33.8967, 0.2860, 0.4805



33.8967, 0.1586, 0.2247



33.8967, 0.3180, 0.2232



# Rectangle

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



33.8967, 0.4924, 0.3953



33.8967, 0.4004, 0.4913



33.8967, 0.1586, 0.2247



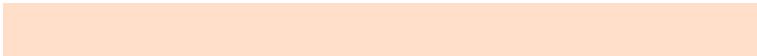
33.8967, 0.2128, 0.1934

# Sweetspot

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



33.8985, 0.4924, 0.3953



78.0967, 0.3508, 0.3506



23.8399, 0.3990, 0.2262



16.1672, 0.3568, 0.3537



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.



33.8985, 0.4924, 0.3953



35.8508, 0.5372, 0.3945



64.4234, 0.4208, 0.4715



15.3003, 0.3283, 0.3384



13.9963, 0.5703, 0.3854



1.2115, 0.5435, 0.4067



# Inverse Universe

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



34.2476, 0.2092, 0.2358



36.0555, 0.1957, 0.2134



13.6434, 0.1811, 0.1230



15.3277, 0.2981, 0.3195



13.9114, 0.1872, 0.1940



1.2081, 0.1933, 0.2158



# Previews

## White Background



This preview shows how the Yxy color 33.8967, 0.4924, 0.3953 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 33.8967, 0.4924, 0.3953 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 33.8967, 0.4924, 0.3953**

## Background



This preview shows how black text looks on a background with the Yxy color 33.8967, 0.4924, 0.3953.



This preview shows how white text looks on a background with the Yxy color 33.8967, 0.4924, 0.3953.

# 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

33.8967, 0.4924, 0.3953

### Protanopia

34.0757, 0.4057, 0.4434

### Deuteranopia

33.8963, 0.4444, 0.4362



## Tritanopia

34.0506, 0.4303, 0.3193

# Trichromacy



**Original Color**

33.8967, 0.4924, 0.3953

**Protanomaly**

33.5649, 0.4369, 0.4260

**Deuteranomaly**

33.5704, 0.4631, 0.4197

**Tritanomaly**

34.0566, 0.4560, 0.3493

# Monochromacy



**Original Color**

33.8967, 0.4924, 0.3953

**Achromatopsia**

32.3143, 0.3127, 0.3290

**Achromatomaly**

31.9080, 0.3767, 0.3633

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.8967, 0.4924, 0.3953 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, 132, 67)` looks like.

```
.text, #text, p{  
    color:rgb(231, 132, 67)  
}
```

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, 132, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 132, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 33.8967, 0.4924, 0.3953 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, 132, 67) }
```

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

```
.border{ border-color:rgb(231, 132, 67) }
```

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

Here you see how a box with a 4 pixel rgb(231, 132, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 132, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 132, 67);  
box-shadow:4px 4px 4px 4px rgb(231, 132,  
67) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.8967, 0.4924, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 132, 67) }
```

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

```
.background{ background-color: rgb(231,  
132, 67) }
```

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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