

# Converting Colors

Yxy(31.6472, 0.4766, 0.3432)

Have a look what the booklet for  
Yxy(31.6472, 0.4766, 0.3432)  
contains.

<b>Yxy(31.6472, 0.4766, 0.3432)</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(31.6472, 0.4766, 0.3432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE7467
RGB	238, 116, 103
RGB Percent	93%, 45%, 40%
CMY	0.0667, 0.5450, 0.5962
CMYK	0.00, 0.51, 0.57, 0.07
HSL	6°, 80%, 67%
HSV	6°, 57%, 93%
XYZ	43.9483, 31.6472, 16.6166
YIQ	150.9960, 76.8850, 21.8210

# Conversions

## Conversions Part 2

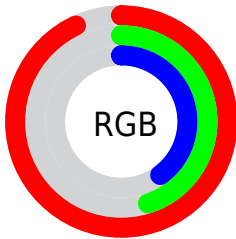
Format	Color
R <sub>Y</sub> B	238, 117, 103
Decimal	15627367
CIE Lab	63.05, 45.90, 29.41
CIE LCh	63, 54.520, 32.651
Yxy	31.6472, 0.4766, 0.3432
Android (android.graphics.Color)	4293817447 (0xFFEE7467)
YUV	150.9960, -23.6620, 76.3025
Hunter-Lab	56.2558, 41.0004, 21.8662

# Details

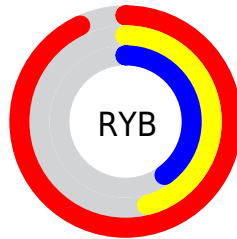
The Yxy color **31.6472, 0.4766, 0.3432** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **62.8685, 0.2381, 0.3123**, and the grayscale version is **31.0258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7189, 0.4059, 0.3472**, and **13.1876, 0.5286, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **26.8403, 0.5219, 0.3440**, and if you desaturate by 10%, it is **37.7402, 0.4349, 0.3413**.

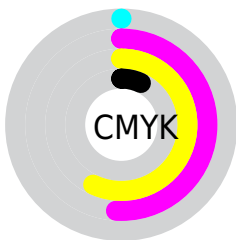
# Distribution



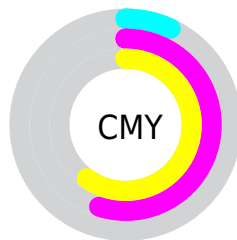
- Red (93%)
- Green (45%)
- Blue (40%)



- Red (93%)
- Yellow (46%)
- Blue (40%)



- Cyan (0%)
- Magenta (51%)
- Yellow (57%)
- Black (7%)




- Cyan (7%)
- Magenta (55%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6472, 0.4766, 0.3432 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 31.6472, 0.4766, 0.3432 by changing the saturation by 10% instead.





 31.6472, 0.4766,  
0.3432


 31.6472, 0.4766,  
0.3432


309.5090, 0.3892,  
0.3410

 21.0922, 0.4995,  
0.3417


 62.2576, 0.4439,  
0.3438


 13.1914, 0.5290,  
0.3385


 83.0818, 0.4319,  
0.3436

 7.5605, 0.5683,  
0.3316


 108.0977, 0.4218,  
0.3432

 3.8150, 0.6223,  
0.3176

 137.6900, 0.4133,  
0.3428

 1.5706, 0.7081,  
0.2919

172.2428, 0.4060,  
0.3423

 0.3377, 0.8253,  
0.1747

212.1407, 0.3997,

 0.0000, 1.0000,

0.3419

0.0000

257.7679, 0.3941,  
0.3414

0.0000, 0.0000,  
0.0000

31.6472, 0.4766,  
0.3432

31.6472, 0.4766,  
0.3432

26.8403, 0.5219,  
0.3440

37.7402, 0.4349,  
0.3413

23.2222, 0.5664,  
0.3431

45.1972, 0.3988,  
0.3388

20.6903, 0.6039,  
0.3403


54.0960, 0.3687,  
0.3360


19.1214, 0.6284,  
0.3360

64.5070, 0.3440,  
0.3333

18.7872, 0.6339,  
0.3349

76.4959, 0.3240,  
0.3306

 90.1247, 0.3078,  
0.3282

 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.



31.6472, 0.4222, 0.2847



31.6472, 0.4766, 0.3432



31.6472, 0.4765, 0.4053

# Triad

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



31.6472, 0.4766, 0.3432



31.6472, 0.2737, 0.4562



31.6472, 0.1960, 0.2017

# Complementary

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



31.6472, 0.4766, 0.3432



62.8685, 0.2381, 0.3123

# 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.



31.6472, 0.1692, 0.2239



31.6472, 0.4766, 0.3432



31.6472, 0.2077, 0.3685

# Square

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



31.6472, 0.4766, 0.3432



31.6472, 0.3549, 0.4896



31.6472, 0.1724, 0.2799



31.6472, 0.2528, 0.2075



# Rectangle

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



31.6472, 0.4766, 0.3432



31.6472, 0.4491, 0.4446



31.6472, 0.1724, 0.2799



31.6472, 0.1838, 0.2058

# Sweetspot

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



31.6489, 0.4766, 0.3432



75.0257, 0.3448, 0.3333



33.4006, 0.3300, 0.2044



15.5043, 0.3494, 0.3339



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.



31.6489, 0.4766, 0.3432



30.6661, 0.5289, 0.3440



52.4979, 0.4283, 0.4135



16.0045, 0.3291, 0.3313



10.5654, 0.6324, 0.3360



0.9613, 0.6158, 0.3492



# Inverse Universe

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



62.8685, 0.2381, 0.3123



70.2847, 0.2288, 0.3085



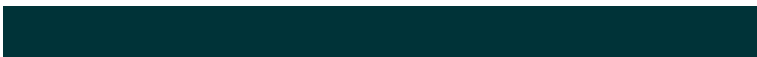
33.9284, 0.2186, 0.2217



17.6525, 0.2981, 0.3266



30.6632, 0.2162, 0.2984



2.6261, 0.2174, 0.3028



# Previews

## White Background



This preview shows how the Yxy color 31.6472, 0.4766, 0.3432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

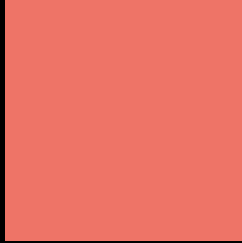
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.6472, 0.4766, 0.3432 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 31.6472, 0.4766, 0.3432**

## Background



This preview shows how black text looks on a background with the Yxy color 31.6472, 0.4766, 0.3432.



This preview shows how white text looks on a background with the Yxy color 31.6472, 0.4766, 0.3432.

# 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

31.6472, 0.4766, 0.3432

### Protanopia

31.9009, 0.3561, 0.3808

### Deuteranopia

31.6300, 0.4039, 0.3962



## Tritanopia

31.5415, 0.4573, 0.3209

# Trichromacy



**Original Color**

31.6472, 0.4766, 0.3432

**Protanomaly**

30.8956, 0.3985, 0.3665

**Deuteranomaly**

31.0854, 0.4315, 0.3740

**Tritanomaly**

31.6003, 0.4655, 0.3295

# Monochromacy



**Original Color**

31.6472, 0.4766, 0.3432

**Achromatopsia**

30.9469, 0.3127, 0.3290

**Achromatomaly**

29.9655, 0.3679, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.6472, 0.4766, 0.3432 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, 116, 103)` looks like.

```
.text, #text, p{  
    color:rgb(238, 116, 103)  
}
```

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, 116, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 116, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 31.6472, 0.4766, 0.3432 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, 116, 103) }
```

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

```
.border{ border-color:rgb(238, 116, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 116, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 116, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 116, 103);  
box-shadow:4px 4px 4px 4px rgb(238, 116,  
103) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 31.6472, 0.4766, 0.3432$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 116, 103) }
```

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

```
.background{ background-color: rgb(238,  
116, 103) }
```

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