

# Converting Colors

$Y_{xy}(34.8727, 0.4545, 0.3630)$

Have a look what the booklet for  
Yxy(34.8727, 0.4545, 0.3630)  
contains.

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# Color

**Yxy(34.8727, 0.4545, 0.3630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E68668
RGB	230, 134, 104
RGB Percent	90%, 53%, 41%
CMY	0.0980, 0.4745, 0.5921
CMYK	0.00, 0.42, 0.55, 0.10
HSL	14°, 72%, 65%
HSV	14°, 55%, 90%
XYZ	43.6629, 34.8727, 17.5324
YIQ	159.2840, 66.8460, 11.0220

# Conversions

## Conversions Part 2

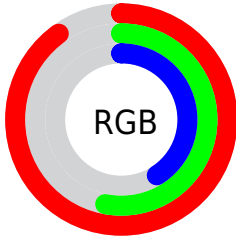
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	230, 143, 104
Decimal	15107688
CIE <sub>Lab</sub>	65.65, 33.86, 31.97
CIE <sub>LCh</sub>	66, 46.568, 43.352
Yxy	34.8727, 0.4545, 0.3630
Android (android.graphics.Color)	4293297768 (0xFFE68668)
YUV	159.2840, -27.2550, 62.0179
Hunter-Lab	59.0531, 28.6371, 23.7344

# Details

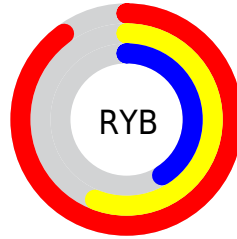
The Yxy color **34.8727, 0.4545, 0.3630** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.9915, 0.2350, 0.2889**, and the grayscale version is **34.9134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6267, 0.3968, 0.3627**, and **15.0181, 0.4976, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **30.0183, 0.4936, 0.3665**, and if you desaturate by 10%, it is **40.6615, 0.4188, 0.3576**.

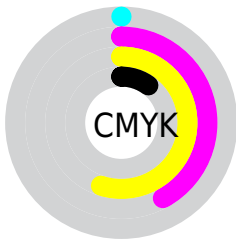
# Distribution



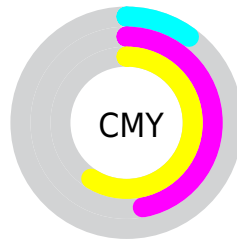
- Red (90%)
- Green (53%)
- Blue (41%)



- Red (90%)
- Yellow (56%)
- Blue (41%)



- Cyan (0%)
- Magenta (42%)
- Yellow (55%)
- Black (10%)




- Cyan (10%)
- Magenta (47%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8727, 0.4545, 0.3630 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 34.8727, 0.4545, 0.3630 by changing the saturation by 10% instead.





 34.8727, 0.4545,  
0.3630


 34.8727, 0.4545,  
0.3630

324.0061, 0.3801,  
0.3497

 23.5648, 0.4736,  
0.3647


 67.2885, 0.4269,  
0.3593


 15.0111, 0.4981,  
0.3657


 89.1652, 0.4167,  
0.3575

 8.8272, 0.5304,  
0.3649


 115.3337, 0.4081,  
0.3559

 4.6286, 0.5739,  
0.3596

 146.1783, 0.4008,  
0.3544

 2.0311, 0.6489,  
0.3511

182.0835, 0.3946,  
0.3531

 0.6254, 0.7144,  
0.2856

223.4336, 0.3891,

 0.0000, 1.0000,

0.3518

0.0000

270.6130, 0.3843,  
0.3507

0.0000, 0.0000,  
0.0000

34.8727, 0.4545,  
0.3630

34.8727, 0.4545,  
0.3630

30.0183, 0.4936,  
0.3665

40.6615, 0.4188,  
0.3576

26.0426, 0.5337,  
0.3671

47.4255, 0.3877,  
0.3512

22.8923, 0.5708,  
0.3638

55.2097, 0.3611,  
0.3446

20.5050, 0.6003,  
0.3565

64.0544, 0.3389,  
0.3380

19.5315, 0.6125,  
0.3519

73.9981, 0.3204,  
0.3318

■ 85.0768, 0.3050,  
0.3261

■ 95.5665, 0.2976,  
0.3290

# Harmonies

## Analogous

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



34.8727, 0.4239, 0.3101



34.8727, 0.4545, 0.3630



34.8727, 0.4410, 0.4150

# Triad

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



34.8727, 0.4545, 0.3630



34.8727, 0.2593, 0.4097



34.8727, 0.2284, 0.2195

# Complementary

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



34.8727, 0.4545, 0.3630



49.9915, 0.2350, 0.2889

# 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.



34.8727, 0.1953, 0.2308



34.8727, 0.4545, 0.3630



34.8727, 0.2105, 0.3348

# Square

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



34.8727, 0.4545, 0.3630



34.8727, 0.3260, 0.4564



34.8727, 0.1890, 0.2693



34.8727, 0.2861, 0.2319



# Rectangle

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



34.8727, 0.4545, 0.3630



34.8727, 0.4117, 0.4433



34.8727, 0.1890, 0.2693



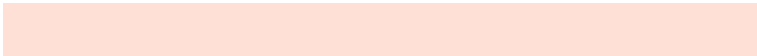
34.8727, 0.2145, 0.2205

# Sweetspot

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



34.8745, 0.4545, 0.3630



79.3852, 0.3416, 0.3389



30.9311, 0.3498, 0.2250



16.4805, 0.3460, 0.3402



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.



34.8745, 0.4545, 0.3630



37.0525, 0.5000, 0.3669



57.4967, 0.4110, 0.4298



14.9217, 0.3287, 0.3347



11.2128, 0.6099, 0.3540



0.9699, 0.5815, 0.3765



# Inverse Universe

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



49.9915, 0.2350, 0.2889



57.8171, 0.2230, 0.2788



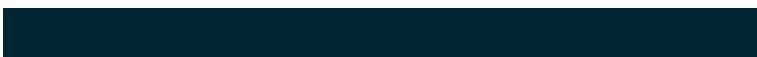
26.7277, 0.2162, 0.1991



15.7248, 0.2981, 0.3233



20.8550, 0.2029, 0.2505



1.6815, 0.2065, 0.2633



# Previews

## White Background



This preview shows how the Yxy color 34.8727, 0.4545, 0.3630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

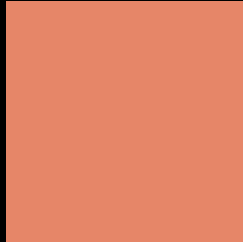
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.8727, 0.4545, 0.3630 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 34.8727, 0.4545, 0.3630**

## Background



This preview shows how black text looks on a background with the Yxy color 34.8727, 0.4545, 0.3630.



This preview shows how white text looks on a background with the Yxy color 34.8727, 0.4545, 0.3630.

# 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

34.8727, 0.4545, 0.3630

### Protanopia

35.1501, 0.3667, 0.3945

### Deuteranopia

35.0400, 0.4071, 0.3997



## Tritanopia

34.7204, 0.4192, 0.3179

# Trichromacy



**Original Color**

34.8727, 0.4545, 0.3630

**Protanomaly**

34.6184, 0.3976, 0.3831

**Deuteranomaly**

34.6192, 0.4246, 0.3860

**Tritanomaly**

34.7279, 0.4326, 0.3351

# Monochromacy



**Original Color**

34.8727, 0.4545, 0.3630

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

33.9911, 0.3605, 0.3445

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.8727, 0.4545, 0.3630 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(230, 134, 104)` looks like.

```
.text, #text, p{  
    color:rgb(230, 134, 104)  
}
```

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(230, 134, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 134, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 34.8727, 0.4545, 0.3630 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(230, 134, 104) }
```

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

```
.border{ border-color:rgb(230, 134, 104) }
```

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

Here you see how a box with a 4 pixel rgb(230, 134, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 134, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 134, 104);  
box-shadow:4px 4px 4px 4px rgb(230, 134,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.8727, 0.4545, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 134, 104) }
```

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

```
.background{ background-color: rgb(230,  
134, 104) }
```

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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