

# Converting Colors

$Yxy(48.6393, 0.4388, 0.3991)$

Have a look what the booklet for  
Yxy(48.6393, 0.4388, 0.3991)  
contains.

<b>Yxy(48.6262, 0.4392, 0.3993)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.6262, 0.4392, 0.3993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2AA68
RGB	242, 170, 104
RGB Percent	95%, 67%, 41%
CMY	0.0511, 0.3333, 0.5921
CMYK	0.00, 0.30, 0.57, 0.05
HSL	29°, 84%, 68%
HSV	29°, 57%, 95%
XYZ	53.4852, 48.6262, 19.6672
YIQ	184.0040, 64.0980, -5.2620

# Conversions

## Conversions Part 2

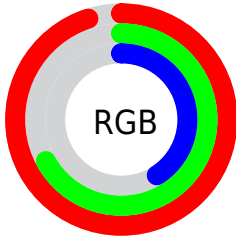
Format	Color
R <sub>Y</sub> B	242, 231, 104
Decimal	15903336
CIE Lab	75.22, 19.61, 44.22
CIE LCh	75, 48.372, 66.079
Yxy	48.6262, 0.4392, 0.3993
Android (android.graphics.Color)	4294093416 (0xFFF2AA68)
YUV	184.0040, -39.4420, 50.8625
Hunter-Lab	69.7325, 14.8785, 32.0907

# Details

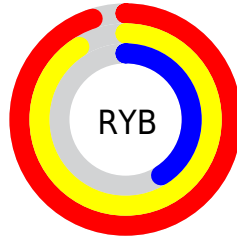
The Yxy color **48.6262, 0.4392, 0.3993** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.3923, 0.2225, 0.2412**, and the grayscale version is **48.1324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5107, 0.3819, 0.3992**, and **23.1683, 0.4706, 0.4124** is the 20% darker color. If you saturate the color by 10%, you get **43.6977, 0.4680, 0.4076**, and if you desaturate by 10%, it is **54.1548, 0.4114, 0.3883**.

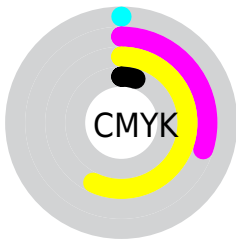
# Distribution



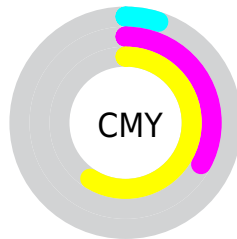
- Red (95%)
- Green (67%)
- Blue (41%)



- Red (95%)
- Yellow (91%)
- Blue (41%)



- Cyan (0%)
- Magenta (30%)
- Yellow (57%)
- Black (5%)




- Cyan (5%)
- Magenta (33%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6262, 0.4392, 0.3993 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 48.6262, 0.4392, 0.3993 by changing the saturation by 10% instead.





 48.6262, 0.4392,  
0.3993


 48.6262, 0.4392,  
0.3993


381.2689, 0.3774,  
0.3686


 34.3231, 0.4535,  
0.4052


 88.1360, 0.4174,  
0.3894


 23.1419, 0.4710,  
0.4116


 114.1115, 0.4091,  
0.3853

 14.6983, 0.4927,  
0.4180


 144.7465, 0.4019,  
0.3817

 8.6079, 0.5194,  
0.4233

 180.4255, 0.3956,  
0.3785

 4.4863, 0.5655,  
0.4345

221.5328, 0.3902,  
0.3756

 1.9492, 0.5884,  
0.4116

268.4529, 0.3854,

 0.5777, 0.6433,

0.3730

0.3567

321.5701, 0.3812,  
0.3707

0.0000, 0.0000,  
0.0000

48.6262, 0.4392,  
0.3993

48.6262, 0.4392,  
0.3993

43.6977, 0.4680,  
0.4076

54.1548, 0.4114,  
0.3883

39.3370, 0.4962,  
0.4118

60.2996, 0.3857,  
0.3758

35.5186, 0.5220,  
0.4108


67.0846, 0.3625,  
0.3628


32.2099, 0.5437,  
0.4043

74.5301, 0.3419,  
0.3498

31.3095, 0.5496,  
0.4018

82.6555, 0.3239,  
0.3373

 91.4793, 0.3083,  
0.3256

 97.6124, 0.3047,  
0.3290

# Harmonies

## Analogous

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



48.6262, 0.4415, 0.3495



48.6262, 0.4392, 0.3993



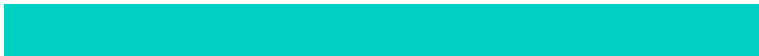
48.6262, 0.4011, 0.4390

# Triad

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



48.6262, 0.4392, 0.3993



48.6262, 0.2262, 0.3520



48.6262, 0.2732, 0.2330

# Complementary

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



48.6262, 0.4392, 0.3993



40.3923, 0.2225, 0.2412

# 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.



48.6262, 0.2239, 0.2266



48.6262, 0.4392, 0.3993



48.6262, 0.1990, 0.2867

# Square

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



48.6262, 0.4392, 0.3993



48.6262, 0.2775, 0.4176



48.6262, 0.1986, 0.2436



48.6262, 0.3392, 0.2592



# Rectangle

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



48.6262, 0.4392, 0.3993



48.6262, 0.3628, 0.4510



48.6262, 0.1986, 0.2436



48.6262, 0.2543, 0.2285

# Sweetspot

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



48.6286, 0.4392, 0.3993



83.9288, 0.3420, 0.3498



31.9743, 0.3902, 0.2518



17.5896, 0.3459, 0.3524



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.



48.6286, 0.4392, 0.3993



48.6147, 0.4714, 0.4083



80.6576, 0.3968, 0.4605



17.0065, 0.3281, 0.3403



17.0941, 0.5470, 0.4039



1.6202, 0.5258, 0.4207



# Inverse Universe

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



40.3923, 0.2225, 0.2412



38.5165, 0.2073, 0.2202



20.2084, 0.2030, 0.1510



16.5929, 0.2980, 0.3174



11.7661, 0.1792, 0.1651



1.1780, 0.1856, 0.1882



# Previews

## White Background



This preview shows how the Yxy color 48.6262, 0.4392, 0.3993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

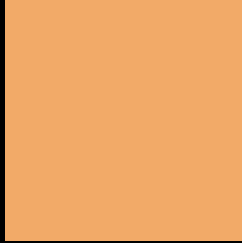
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.6262, 0.4392, 0.3993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

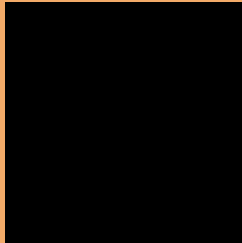
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.6262, 0.4392, 0.3993**

## Background



This preview shows how black text looks on a background with the Yxy color 48.6262, 0.4392, 0.3993.



This preview shows how white text looks on a background with the Yxy color 48.6262, 0.4392, 0.3993.

# 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

48.6262, 0.4392, 0.3993

### Protanopia

48.9401, 0.3887, 0.4227

### Deuteranopia

48.7345, 0.4224, 0.4134



## Tritanopia

48.6708, 0.3828, 0.3162

# Trichromacy



**Original Color**

48.6262, 0.4392, 0.3993

**Protanomaly**

48.4769, 0.4067, 0.4138

**Deuteranomaly**

48.4072, 0.4283, 0.4076

**Tritanomaly**

48.4927, 0.4043, 0.3468

# Monochromacy



**Original Color**

48.6262, 0.4392, 0.3993

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

47.5859, 0.3563, 0.3591

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.6262, 0.4392, 0.3993 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(242, 170, 104)` looks like.

```
.text, #text, p{  
    color:rgb(242, 170, 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(242, 170, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 170, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6262, 0.4392, 0.3993 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(242, 170, 104) }
```

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

```
.border{ border-color:rgb(242, 170, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 170, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 170, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 170, 104);  
box-shadow:4px 4px 4px 4px rgb(242, 170,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6262, 0.4392, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 170, 104) }
```

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

```
.background{ background-color: rgb(242,  
170, 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](#).

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