

# Converting Colors

$Y_{xy}(35.9602, 0.4874, 0.3792)$

Have a look what the booklet for  
Yxy(35.9602, 0.4874, 0.3792)  
contains.

<b>Yxy(35.8278, 0.4873, 0.3788)</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(35.8278, 0.4873, 0.3788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F18453
RGB	241, 132, 83
RGB Percent	95%, 52%, 33%
CMY	0.0549, 0.4823, 0.6746
CMYK	0.00, 0.45, 0.66, 0.05
HSL	19°, 85%, 64%
HSV	19°, 66%, 95%
XYZ	46.0900, 35.8278, 12.6646
YIQ	159.0050, 80.6930, 7.8690

# Conversions

## Conversions Part 2

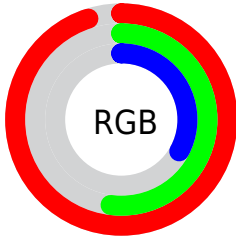
Format	Color
R <sub>Y</sub> B	241, 154, 83
Decimal	15828051
CIE Lab	66.39, 37.70, 44.42
CIE LCh	66, 58.261, 49.680
Yxy	35.8278, 0.4873, 0.3788
Android (android.graphics.Color)	4294018131 (0xFFFF18453)
YUV	159.0050, -37.4705, 71.9096
Hunter-Lab	59.8563, 32.6983, 29.3547

# Details

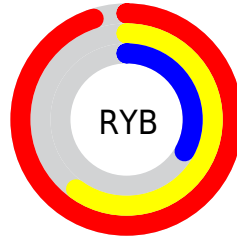
The Yxy color **35.8278, 0.4873, 0.3788** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **45.8811, 0.2198, 0.2633**, and the grayscale version is **34.8203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0990, 0.4161, 0.3831**, and **15.5620, 0.5366, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **31.3647, 0.5241, 0.3802**, and if you desaturate by 10%, it is **41.1424, 0.4510, 0.3739**.

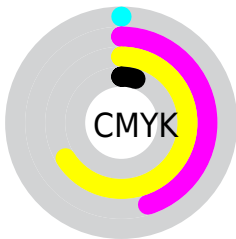
# Distribution



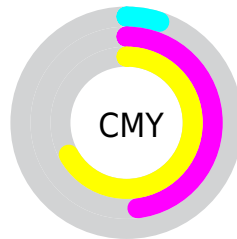
- Red (95%)
- Green (52%)
- Blue (33%)



- Red (95%)
- Yellow (60%)
- Blue (33%)



- Cyan (0%)
- Magenta (45%)
- Yellow (66%)
- Black (5%)




- Cyan (5%)
- Magenta (48%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8278, 0.4873, 0.3788 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 35.8278, 0.4873, 0.3788 by changing the saturation by 10% instead.




 35.8278, 0.4873,  
0.3788


 35.8278, 0.4873,  
0.3788


328.2073, 0.3977,  
0.3607

 24.3012, 0.5090,  
0.3803


 68.7662, 0.4549,  
0.3743

 15.5572, 0.5359,  
0.3804

 90.9468, 0.4426,  
0.3719

 9.2114, 0.5692,  
0.3769

 117.4476, 0.4322,  
0.3697

 4.8793, 0.6217,  
0.3726

 148.6529, 0.4233,  
0.3676

 2.1766, 0.6607,  
0.3393

 184.9471, 0.4156,  
0.3656

 0.7072, 0.7221,  
0.2779

226.7146, 0.4089,

 0.0000, 1.0000,

0.3639

0.0000

274.3399, 0.4029,  
0.3622

0.0000, 0.0000,  
0.0000

35.8278, 0.4873,  
0.3788

35.8278, 0.4873,  
0.3788

31.3647, 0.5241,  
0.3802

41.1424, 0.4510,  
0.3739

27.6995, 0.5583,  
0.3770

47.3466, 0.4175,  
0.3668


24.7800, 0.5861,  
0.3690

54.4829, 0.3878,  
0.3586


23.7032, 0.5965,  
0.3646

62.5890, 0.3621,  
0.3499

71.7007, 0.3402,  
0.3414

 81.8516, 0.3217,  
0.3333

 93.0739, 0.3062,  
0.3257

 97.4425, 0.3041,  
0.3290

# Harmonies

## Analogous

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



35.8278, 0.4629, 0.3165



35.8278, 0.4873, 0.3788



35.8278, 0.4572, 0.4409

# Triad

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



35.8278, 0.4873, 0.3788



35.8278, 0.2310, 0.4121



35.8278, 0.2226, 0.1993

# Complementary

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



35.8278, 0.4873, 0.3788



45.8811, 0.2198, 0.2633

# 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.



35.8278, 0.1781, 0.2049



35.8278, 0.4873, 0.3788



35.8278, 0.1807, 0.3145

# Square

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



35.8278, 0.4873, 0.3788



35.8278, 0.3078, 0.4835



35.8278, 0.1639, 0.2414



35.8278, 0.2969, 0.2193



# Rectangle

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



35.8278, 0.4873, 0.3788



35.8278, 0.4154, 0.4753



35.8278, 0.1639, 0.2414



35.8278, 0.2044, 0.1981

# Sweetspot

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



35.8297, 0.4873, 0.3788



76.7124, 0.3496, 0.3452



28.7623, 0.3728, 0.2186



15.8010, 0.3558, 0.3476



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.



35.8297, 0.4873, 0.3788



34.0234, 0.5371, 0.3796



65.1254, 0.4235, 0.4541



16.5587, 0.3285, 0.3364



13.0631, 0.5936, 0.3669



1.2572, 0.5679, 0.3873



# Inverse Universe

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



45.8811, 0.2198, 0.2633



45.9131, 0.2072, 0.2470



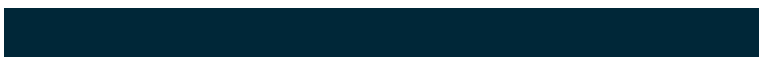
20.3557, 0.1938, 0.1546



17.0533, 0.2981, 0.3215



18.5304, 0.1957, 0.2245



1.7177, 0.2000, 0.2399



# Previews

## White Background



This preview shows how the Yxy color 35.8278, 0.4873, 0.3788 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 35.8278, 0.4873, 0.3788 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 35.8278, 0.4873, 0.3788**

## Background



This preview shows how black text looks on a background with the Yxy color 35.8278, 0.4873, 0.3788.



This preview shows how white text looks on a background with the Yxy color 35.8278, 0.4873, 0.3788.

# 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

35.8278, 0.4873, 0.3788

### Protanopia

36.0960, 0.3916, 0.4250

### Deuteranopia

35.9406, 0.4329, 0.4233



## Tritanopia

35.9041, 0.4376, 0.3197

# Trichromacy



## Original Color

35.8278, 0.4873, 0.3788

## Protanomaly

35.2720, 0.4270, 0.4076

## Deuteranomaly

35.5840, 0.4533, 0.4058

## Tritanomaly

35.7540, 0.4578, 0.3422

# Monochromacy



## Original Color

35.8278, 0.4873, 0.3788

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

33.9524, 0.3735, 0.3540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8278, 0.4873, 0.3788 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(241, 132, 83)` looks like.

```
.text, #text, p{  
    color:rgb(241, 132, 83)  
}
```

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(241, 132, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 132, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8278, 0.4873, 0.3788 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(241, 132, 83) }
```

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

```
.border{ border-color:rgb(241, 132, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 132, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 132, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 132, 83);  
box-shadow:4px 4px 4px 4px rgb(241, 132,  
83) }
```



# Background

The CSS property to change the background color of an element to `rgb(241, 132, 83)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 132, 83) }
```

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

```
.background{ background-color: rgb(241,  
132, 83) }
```

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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