

# Converting Colors

$Y_{xy}(50.1236, 0.4156, 0.3786)$

Have a look what the booklet for  
Yxy(50.1236, 0.4156, 0.3786)  
contains.

<b>Yxy(50.1464, 0.4161, 0.3786)</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(50.1464, 0.4161, 0.3786)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F1AD80
RGB	241, 173, 128
RGB Percent	95%, 68%, 50%
CMY	0.0549, 0.3215, 0.4981
CMYK	0.00, 0.28, 0.47, 0.05
HSL	24°, 80%, 72%
HSV	24°, 47%, 95%
XYZ	55.1134, 50.1464, 27.1924
YIQ	188.2020, 54.9730, 0.4210

# Conversions

## Conversions Part 2

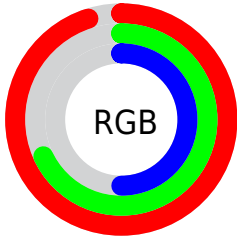
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 203, 128
Decimal	15838592
CIE <sub>Lab</sub>	76.16, 19.71, 32.95
CIE <sub>LCh</sub>	76, 38.390, 59.116
Yxy	50.1464, 0.4161, 0.3786
Android (android.graphics.Color)	4294028672 (0xFFFF1AD80)
YUV	188.2020, -29.6796, 46.3038
Hunter-Lab	70.8141, 14.9986, 26.8027

# Details

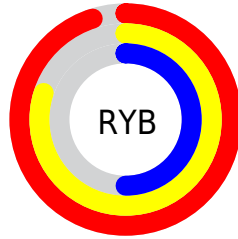
The Yxy color **50.1464, 0.4161, 0.3786** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **50.4070, 0.2399, 0.2717**, and the grayscale version is **50.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6348, 0.3636, 0.3778**, and **23.9281, 0.4439, 0.3878** is the 20% darker color. If you saturate the color by 10%, you get **44.3255, 0.4468, 0.3877**, and if you desaturate by 10%, it is **56.7263, 0.3883, 0.3681**.

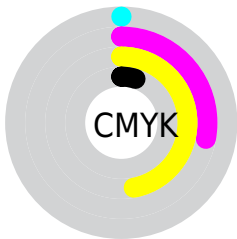
# Distribution



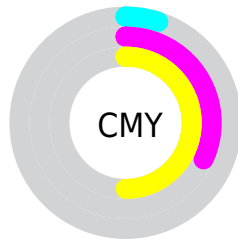
- Red (95%)
- Green (68%)
- Blue (50%)



- Red (95%)
- Yellow (80%)
- Blue (50%)



- Cyan (0%)
- Magenta (28%)
- Yellow (47%)
- Black (5%)




- Cyan (5%)
- Magenta (32%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1464, 0.4161, 0.3786 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 50.1464, 0.4161, 0.3786 by changing the saturation by 10% instead.





 50.1464, 0.4161,  
0.3786


 50.1464, 0.4161,  
0.3786


387.2382, 0.3650,  
0.3565


 35.5297, 0.4284,  
0.3831


 90.3918, 0.3978,  
0.3713

 24.0712, 0.4437,  
0.3883


 116.7892, 0.3909,  
0.3683

 15.3865, 0.4634,  
0.3941


 147.8824, 0.3850,  
0.3658

 9.0911, 0.4892,  
0.4000

184.0558, 0.3799,  
0.3635

 4.8006, 0.5237,  
0.4046

225.6936, 0.3754,  
0.3614

 2.1308, 0.5861,  
0.4139

273.1804, 0.3716,

 0.6818, 0.6304,

0.3596

0.3696

326.9004, 0.3681,  
0.3580

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.1464, 0.4161,  
0.3786

50.1464, 0.4161,  
0.3786

44.3255, 0.4468,  
0.3877

56.7263, 0.3883,  
0.3681

39.2263, 0.4792,  
0.3941


64.0859, 0.3636,  
0.3571


34.8187, 0.5115,  
0.3967

72.2542, 0.3422,  
0.3463

31.0670, 0.5413,  
0.3942

81.2562, 0.3238,  
0.3358

 27.9301, 0.5660,  
0.3863

 91.1160, 0.3081,  
0.3260

 27.0673, 0.5729,  
0.3833

 97.4397, 0.3041,  
0.3290

# Harmonies

## Analogous

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



50.1464, 0.4095, 0.3378



50.1464, 0.4161, 0.3786



50.1464, 0.3929, 0.4116

# Triad

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



50.1464, 0.4161, 0.3786



50.1464, 0.2523, 0.3600



50.1464, 0.2710, 0.2484

# Complementary

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



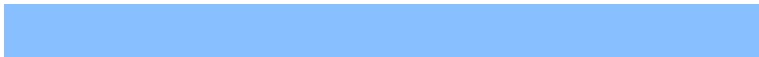
50.1464, 0.4161, 0.3786



50.4070, 0.2399, 0.2717

# 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.



50.1464, 0.2348, 0.2481



50.1464, 0.4161, 0.3786



50.1464, 0.2245, 0.3078

# Square

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



50.1464, 0.4161, 0.3786



50.1464, 0.2974, 0.4057



50.1464, 0.2186, 0.2679



50.1464, 0.3216, 0.2664



# Rectangle

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



50.1464, 0.4161, 0.3786



50.1464, 0.3652, 0.4231



50.1464, 0.2186, 0.2679



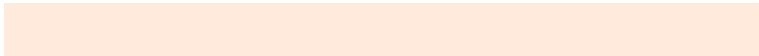
50.1464, 0.2570, 0.2462

# Sweetspot

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



50.1488, 0.4161, 0.3786



84.9645, 0.3367, 0.3432



38.1977, 0.3608, 0.2545



17.7262, 0.3409, 0.3455



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.



50.1488, 0.4161, 0.3786



50.8439, 0.4445, 0.3871



75.6403, 0.3879, 0.4324



16.7922, 0.3283, 0.3385



14.9252, 0.5700, 0.3856



1.4309, 0.5459, 0.4047

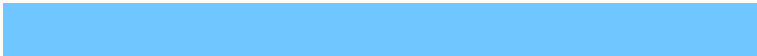


# Inverse Universe

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



50.4070, 0.2399, 0.2717



51.1161, 0.2269, 0.2579



30.0399, 0.2265, 0.1982



16.8108, 0.2980, 0.3194



14.6943, 0.1870, 0.1930



1.4163, 0.1924, 0.2127



# Previews

## White Background



This preview shows how the Yxy color 50.1464, 0.4161, 0.3786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

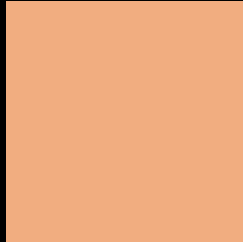
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.1464, 0.4161, 0.3786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

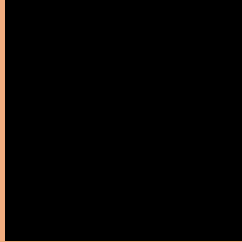
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.1464, 0.4161, 0.3786**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.1464, 0.4161, 0.3786.



This preview shows how white text looks on a background with the Yxy color 50.1464, 0.4161, 0.3786.

# 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

50.1464, 0.4161, 0.3786

### Protanopia

50.3842, 0.3691, 0.3964

### Deuteranopia

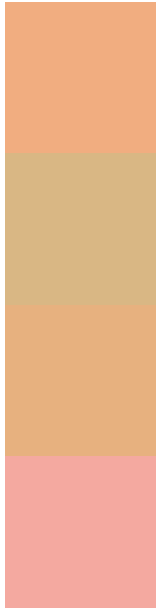
50.1824, 0.3986, 0.3907



## Tritanopia

49.9396, 0.3749, 0.3150

# Trichromacy



**Original Color**

50.1464, 0.4161, 0.3786

**Protanomaly**

50.2846, 0.3856, 0.3901

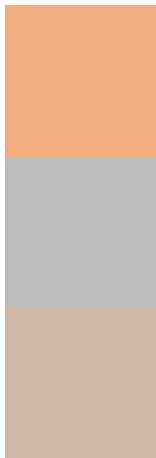
**Deuteranomaly**

49.9655, 0.4057, 0.3860

**Tritanomaly**

50.1471, 0.3911, 0.3391

# Monochromacy



**Original Color**

50.1464, 0.4161, 0.3786

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

49.8855, 0.3476, 0.3500

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.1464, 0.4161, 0.3786 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, 173, 128)` looks like.

```
.text, #text, p{  
    color:rgb(241, 173, 128)  
}
```

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, 173, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 173, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 50.1464, 0.4161, 0.3786 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, 173, 128) }
```

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

```
.border{ border-color:rgb(241, 173, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 173, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 173, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 173, 128);  
box-shadow:4px 4px 4px 4px rgb(241, 173,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.1464, 0.4161, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 173, 128) }
```

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

```
.background{ background-color: rgb(241,  
173, 128) }
```

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