

# Converting Colors

$Y_{xy}(52.2475, 0.4076, 0.3740)$

Have a look what the booklet for  
Yxy(52.2475, 0.4076, 0.3740)  
contains.

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# Color

**Yxy(52.0991, 0.4078, 0.3742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2B188
RGB	242, 177, 136
RGB Percent	95%, 69%, 53%
CMY	0.0511, 0.3058, 0.4667
CMYK	0.00, 0.27, 0.44, 0.05
HSL	23°, 80%, 74%
HSV	23°, 44%, 95%
XYZ	56.7772, 52.0991, 30.3517
YIQ	191.7610, 51.9010, 1.0290

# Conversions

## Conversions Part 2

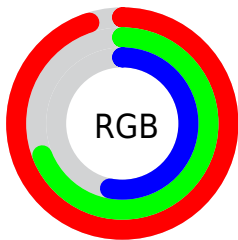
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 203, 136
Decimal	15905160
CIE <sub>Lab</sub>	77.34, 18.77, 30.28
CIE <sub>LCh</sub>	77, 35.627, 58.210
Yxy	52.0991, 0.4078, 0.3742
Android (android.graphics.Color)	4294095240 (0xFFFF2B188)
YUV	191.7610, -27.4902, 44.0596
Hunter-Lab	72.1797, 14.0951, 25.5942

# Details

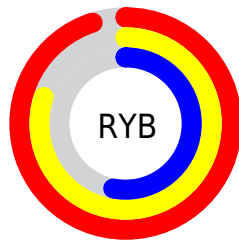
The Yxy color **52.0991, 0.4078, 0.3742** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.3913, 0.2447, 0.2777**, and the grayscale version is **52.7067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2555, 0.3565, 0.3725**, and **25.2775, 0.4335, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **45.9450, 0.4381, 0.3835**, and if you desaturate by 10%, it is **59.0503, 0.3806, 0.3638**.

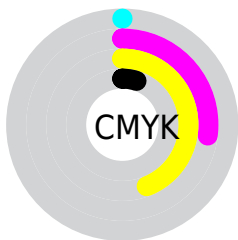
# Distribution



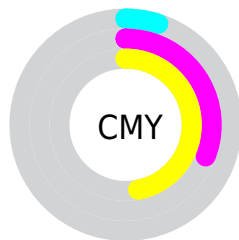
- Red (95%)
- Green (69%)
- Blue (53%)



- Red (95%)
- Yellow (80%)
- Blue (53%)



- Cyan (0%)
- Magenta (27%)
- Yellow (44%)
- Black (5%)




- Cyan (5%)
- Magenta (31%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0991, 0.4078, 0.3742 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 52.0991, 0.4078, 0.3742 by changing the saturation by 10% instead.





 52.0991, 0.4078,  
0.3742


 52.0991, 0.4078,  
0.3742


394.8191, 0.3610,  
0.3540

 37.0841, 0.4190,  
0.3784


 93.2774, 0.3911,  
0.3675

 25.2726, 0.4331,  
0.3833


 120.2094, 0.3847,  
0.3648

 16.2803, 0.4512,  
0.3889


 151.8826, 0.3793,  
0.3624

 9.7227, 0.4752,  
0.3951

188.6813, 0.3746,  
0.3603

 5.2155, 0.5075,  
0.4007

230.9898, 0.3706,  
0.3585

 2.3742, 0.5787,  
0.4213

279.1928, 0.3670,

 0.8126, 0.6142,

0.3568

0.3858

333.6744, 0.3638,  
0.3553

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.0991, 0.4078,  
0.3742

52.0991, 0.4078,  
0.3742

45.9450, 0.4381,  
0.3835

59.0503, 0.3806,  
0.3638

40.5495, 0.4706,  
0.3907

66.8199, 0.3569,  
0.3531

35.8821, 0.5038,  
0.3943

75.4379, 0.3363,  
0.3426

31.9062, 0.5352,  
0.3932

84.9302, 0.3187,  
0.3326

■ 28.5813, 0.5621,  
0.3868

■ 95.1935, 0.3048,  
0.3252

■ 26.8201, 0.5761,  
0.3807

■ 97.6129, 0.3047,  
0.3290

# Harmonies

## Analogous

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



52.0991, 0.4006, 0.3364



52.0991, 0.4078, 0.3742



52.0991, 0.3876, 0.4044

# Triad

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



52.0991, 0.4078, 0.3742



52.0991, 0.2583, 0.3589



52.0991, 0.2733, 0.2542

# Complementary

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



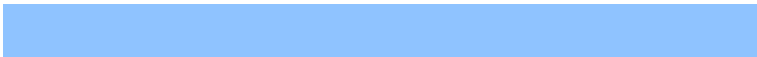
52.0991, 0.4078, 0.3742



53.3913, 0.2447, 0.2777

# 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.



52.0991, 0.2401, 0.2547



52.0991, 0.4078, 0.3742



52.0991, 0.2319, 0.3113

# Square

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



52.0991, 0.4078, 0.3742



52.0991, 0.3004, 0.3997



52.0991, 0.2256, 0.2740



52.0991, 0.3196, 0.2704



# Rectangle

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



52.0991, 0.4078, 0.3742



52.0991, 0.3625, 0.4149



52.0991, 0.2256, 0.2740



52.0991, 0.2604, 0.2524

# Sweetspot

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



52.1016, 0.4078, 0.3742



85.7611, 0.3349, 0.3418



40.7117, 0.3565, 0.2592



17.8750, 0.3391, 0.3441



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.



52.1016, 0.4078, 0.3742



52.1816, 0.4360, 0.3830



77.0273, 0.3830, 0.4261



16.7622, 0.3284, 0.3382



14.6569, 0.5732, 0.3831



1.4067, 0.5488, 0.4025

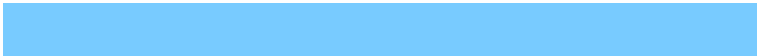


# Inverse Universe

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



53.3913, 0.2447, 0.2777



53.7640, 0.2314, 0.2644



32.9339, 0.2328, 0.2082



16.8416, 0.2980, 0.3196



15.1487, 0.1881, 0.1970



1.4526, 0.1934, 0.2162



# Previews

## White Background



This preview shows how the Yxy color 52.0991, 0.4078, 0.3742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

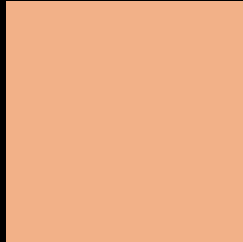
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0991, 0.4078, 0.3742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

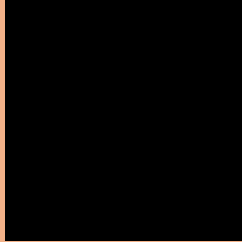
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.0991, 0.4078, 0.3742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0991, 0.4078, 0.3742.



This preview shows how white text looks on a background with the Yxy color 52.0991, 0.4078, 0.3742.

# 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

52.0991, 0.4078, 0.3742

### Protanopia

52.1937, 0.3634, 0.3896

### Deuteranopia

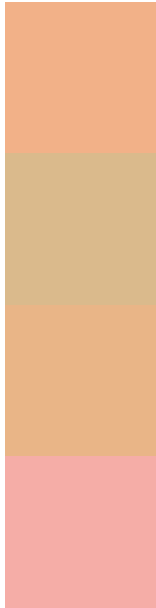
52.1102, 0.3931, 0.3843



## Tritanopia

52.1793, 0.3697, 0.3151

# Trichromacy



**Original Color**

52.0991, 0.4078, 0.3742

**Protanomaly**

51.9167, 0.3786, 0.3838

**Deuteranomaly**

52.1207, 0.3986, 0.3812

**Tritanomaly**

52.0896, 0.3840, 0.3358

# Monochromacy



**Original Color**

52.0991, 0.4078, 0.3742

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

52.2208, 0.3444, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0991, 0.4078, 0.3742 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, 177, 136)` looks like.

```
.text, #text, p{  
    color:rgb(242, 177, 136)  
}
```

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, 177, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 177, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0991, 0.4078, 0.3742 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, 177, 136) }
```

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

```
.border{ border-color:rgb(242, 177, 136) }
```

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

Here you see how a box with a 4 pixel rgb(242, 177, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 177, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 177, 136);  
box-shadow:4px 4px 4px 4px rgb(242, 177,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0991, 0.4078, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 177, 136) }
```

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

```
.background{ background-color: rgb(242,  
177, 136) }
```

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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