

# Converting Colors

$Y_{xy}(51.5071, 0.4067, 0.3721)$

Have a look what the booklet for  
Yxy(51.5071, 0.4067, 0.3721)  
contains.

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# Color

**Yxy(51.5576, 0.4065, 0.3722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1B089
RGB	241, 176, 137
RGB Percent	95%, 69%, 54%
CMY	0.0550, 0.3097, 0.4627
CMYK	0.00, 0.27, 0.43, 0.06
HSL	23°, 79%, 74%
HSV	23°, 43%, 94%
XYZ	56.3089, 51.5576, 30.6547
YIQ	190.9890, 51.2590, 1.6510

# Conversions

## Conversions Part 2

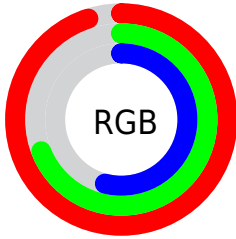
Format	Color
R <sub>YB</sub>	241, 199, 137
Decimal	15839369
CIE <sub>Lab</sub>	77.02, 19.01, 29.29
CIE <sub>LCh</sub>	77, 34.916, 57.020
Yxy	51.5576, 0.4065, 0.3722
Android (android.graphics.Color)	4294029449 (0xFFFF1B089)
YUV	190.9890, -26.6166, 43.8596
Hunter-Lab	71.8036, 14.3246, 24.9502

# Details

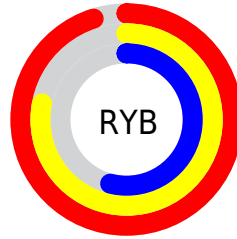
The Yxy color **51.5576, 0.4065, 0.3722** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.8909, 0.2460, 0.2802**, and the grayscale version is **52.2298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7348, 0.3560, 0.3705**, and **24.9213, 0.4320, 0.3800** is the 20% darker color. If you saturate the color by 10%, you get **45.3630, 0.4370, 0.3813**, and if you desaturate by 10%, it is **58.5664, 0.3793, 0.3621**.

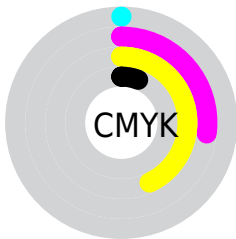
# Distribution



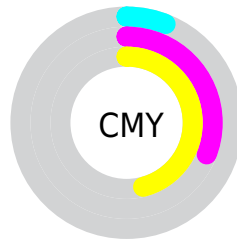
- Red (95%)
- Green (69%)
- Blue (54%)



- Red (95%)
- Yellow (78%)
- Blue (54%)



- Cyan (0%)
- Magenta (27%)
- Yellow (43%)
- Black (6%)




- Cyan (6%)
- Magenta (31%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5576, 0.4065, 0.3722 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 51.5576, 0.4065, 0.3722 by changing the saturation by 10% instead.





 51.5576, 0.4065,  
0.3722


 51.5576, 0.4065,  
0.3722


392.7263, 0.3602,  
0.3529

 36.6526, 0.4177,  
0.3762


 92.4785, 0.3899,  
0.3658

 24.9386, 0.4317,  
0.3809


 119.2631, 0.3836,  
0.3632

 16.0313, 0.4498,  
0.3863


 150.7764, 0.3783,  
0.3609

 9.5463, 0.4738,  
0.3922

187.4027, 0.3737,  
0.3589

 5.0992, 0.5065,  
0.3976

229.5264, 0.3697,  
0.3571

 2.3056, 0.5803,  
0.4191

277.5320, 0.3661,

 0.7767, 0.6179,

0.3556

0.3821

331.8039, 0.3630,  
0.3542

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.5576, 0.4065,  
0.3722

51.5576, 0.4065,  
0.3722

45.3630, 0.4370,  
0.3813

58.5664, 0.3793,  
0.3621

39.9434, 0.4699,  
0.3884

66.4117, 0.3556,  
0.3517

35.2673, 0.5037,  
0.3921

75.1240, 0.3351,  
0.3415

31.2974, 0.5359,  
0.3911

84.7301, 0.3176,  
0.3319

■ 27.9921, 0.5636,  
0.3848

■ 95.0936, 0.3042,  
0.3254

■ 26.0784, 0.5794,  
0.3782

■ 97.4351, 0.3041,  
0.3290

# Harmonies

## Analogous

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



51.5576, 0.3983, 0.3349



51.5576, 0.4065, 0.3722



51.5576, 0.3877, 0.4024

# Triad

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



51.5576, 0.4065, 0.3722



51.5576, 0.2606, 0.3603



51.5576, 0.2723, 0.2550

# Complementary

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



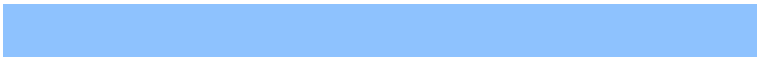
51.5576, 0.4065, 0.3722



53.8909, 0.2460, 0.2802

# 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.



51.5576, 0.2403, 0.2563



51.5576, 0.4065, 0.3722



51.5576, 0.2338, 0.3134

# Square

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



51.5576, 0.4065, 0.3722



51.5576, 0.3025, 0.3996



51.5576, 0.2268, 0.2760



51.5576, 0.3176, 0.2704



# Rectangle

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



51.5576, 0.4065, 0.3722



51.5576, 0.3635, 0.4132



51.5576, 0.2268, 0.2760



51.5576, 0.2598, 0.2535

# Sweetspot

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



51.5601, 0.4065, 0.3722



85.5362, 0.3349, 0.3414



40.8947, 0.3538, 0.2585



17.8198, 0.3392, 0.3436



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.



51.5601, 0.4065, 0.3722



52.2395, 0.4338, 0.3805



75.4985, 0.3827, 0.4231



16.7306, 0.3284, 0.3379



14.3841, 0.5765, 0.3805



1.3818, 0.5518, 0.4001

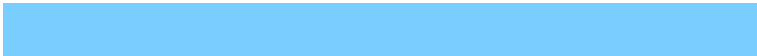


# Inverse Universe

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



53.8909, 0.2460, 0.2802



55.1664, 0.2332, 0.2679



33.7607, 0.2346, 0.2127



16.8742, 0.2980, 0.3199



15.6388, 0.1892, 0.2012



1.4915, 0.1944, 0.2199



# Previews

## White Background



This preview shows how the Yxy color 51.5576, 0.4065, 0.3722 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 51.5576, 0.4065, 0.3722 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 51.5576, 0.4065, 0.3722**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5576, 0.4065, 0.3722.



This preview shows how white text looks on a background with the Yxy color 51.5576, 0.4065, 0.3722.

# 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

51.5576, 0.4065, 0.3722

### Protanopia

51.6475, 0.3621, 0.3874

### Deuteranopia

51.4022, 0.3909, 0.3825



## Tritanopia

51.5808, 0.3700, 0.3151

# Trichromacy



## Original Color

51.5576, 0.4065, 0.3722

## Protanomaly

51.3727, 0.3773, 0.3817

## Deuteranomaly

51.4090, 0.3964, 0.3794

## Tritanomaly

51.4913, 0.3844, 0.3358

# Monochromacy



## Original Color

51.5576, 0.4065, 0.3722

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

51.6134, 0.3446, 0.3473

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5576, 0.4065, 0.3722 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, 176, 137)` looks like.

```
.text, #text, p{  
    color:rgb(241, 176, 137)  
}
```

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, 176, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 176, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5576, 0.4065, 0.3722 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, 176, 137) }
```

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

```
.border{ border-color:rgb(241, 176, 137) }
```

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

Here you see how a box with a 4 pixel rgb(241, 176, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 176, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 176, 137);  
box-shadow:4px 4px 4px 4px rgb(241, 176,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5576, 0.4065, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 176, 137) }
```

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

```
.background{ background-color: rgb(241,  
176, 137) }
```

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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