

# Converting Colors

$Yxy(52.9365, 0.4102, 0.4015)$

Have a look what the booklet for  
Yxy(52.9365, 0.4102, 0.4015)  
contains.

<b>Yxy(52.9365, 0.4102, 0.4015)</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(52.9365, 0.4102, 0.4015)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9B877
RGB	233, 184, 119
RGB Percent	91%, 72%, 47%
CMY	0.0861, 0.2785, 0.5332
CMYK	0.00, 0.21, 0.49, 0.09
HSL	34°, 72%, 69%
HSV	34°, 49%, 91%
XYZ	54.0836, 52.9365, 24.8268
YIQ	191.2410, 50.0690, -9.8270

# Conversions

## Conversions Part 2

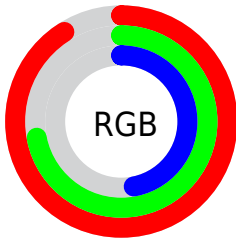
Format	Color
R <sub>Y</sub> B	205, 233, 119
Decimal	15317111
CIE Lab	77.84, 9.86, 39.60
CIE LCh	78, 40.812, 76.023
Yxy	52.9365, 0.4102, 0.4015
Android (android.graphics.Color)	4293507191 (0xFFE9B877)
YUV	191.2410, -35.6148, 36.6226
Hunter-Lab	72.7575, 5.3607, 30.6989

# Details

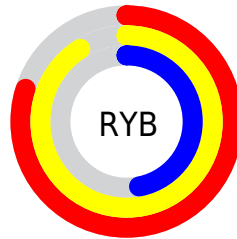
The Yxy color **52.9365, 0.4102, 0.4015** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.8378, 0.2319, 0.2415**, and the grayscale version is **52.4401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5587, 0.3664, 0.3972**, and **25.7762, 0.4345, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **48.4281, 0.4348, 0.4141**, and if you desaturate by 10%, it is **57.8824, 0.3866, 0.3871**.

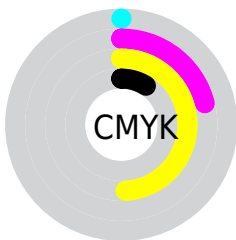
# Distribution



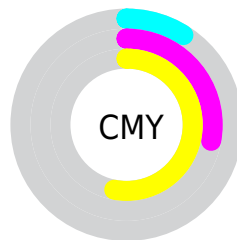
- Red (91%)
- Green (72%)
- Blue (47%)



- Red (80%)
- Yellow (91%)
- Blue (47%)



- Cyan (0%)
- Magenta (21%)
- Yellow (49%)
- Black (9%)




- Cyan (9%)
- Magenta (28%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9365, 0.4102, 0.4015 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 52.9365, 0.4102, 0.4015 by changing the saturation by 10% instead.





 52.9365, 0.4102,  
0.4015

 52.9365, 0.4102,  
0.4015

398.0415, 0.3632,  
0.3682

 37.7521, 0.4211,  
0.4087


 94.5109, 0.3937,  
0.3902

 25.7903, 0.4344,  
0.4171


 121.6697, 0.3873,  
0.3857

 16.6668, 0.4510,  
0.4270


 153.5888, 0.3818,  
0.3818

 9.9972, 0.4719,  
0.4382

190.6524, 0.3771,  
0.3784

 5.3971, 0.4996,  
0.4513

233.2451, 0.3730,  
0.3754

 2.4821, 0.5363,  
0.4637

281.7513, 0.3693,

 0.8677, 0.5558,

0.3727

0.4442

336.5553, 0.3661,  
0.3703

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.9365, 0.4102,  
0.4015

52.9365, 0.4102,  
0.4015

48.4281, 0.4348,  
0.4141

57.8824, 0.3866,  
0.3871

44.3332, 0.4594,  
0.4237

63.2732, 0.3647,  
0.3718


40.6365, 0.4827,  
0.4291

69.1255, 0.3448,  
0.3565


37.3178, 0.5033,  
0.4292


75.4528, 0.3269,  
0.3416

 34.3494, 0.5204,  
0.4242

 82.2675, 0.3111,  
0.3275

 34.0477, 0.5222,  
0.4236

 89.3319, 0.2993,  
0.3181

 95.5338, 0.2994,  
0.3281

 96.0692, 0.2994,  
0.3290

# Harmonies

## Analogous

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



52.9365, 0.4217, 0.3621



52.9365, 0.4102, 0.4015



52.9365, 0.3721, 0.4261

# Triad

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



52.9365, 0.4102, 0.4015



52.9365, 0.2308, 0.3298



52.9365, 0.2977, 0.2538

# Complementary

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



52.9365, 0.4102, 0.4015



37.8378, 0.2319, 0.2415

# 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.



52.9365, 0.2505, 0.2427



52.9365, 0.4102, 0.4015



52.9365, 0.2147, 0.2809

# Square

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



52.9365, 0.4102, 0.4015



52.9365, 0.2684, 0.3847



52.9365, 0.2216, 0.2511



52.9365, 0.3535, 0.2810



# Rectangle

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



52.9365, 0.4102, 0.4015



52.9365, 0.3380, 0.4273



52.9365, 0.2216, 0.2511



52.9365, 0.2803, 0.2481

# Sweetspot

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



52.9390, 0.4102, 0.4015



87.7247, 0.3377, 0.3507



33.3715, 0.3882, 0.2738



18.4306, 0.3415, 0.3539



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.



52.9390, 0.4102, 0.4015



59.2206, 0.4357, 0.4145



75.7059, 0.3788, 0.4504



16.4790, 0.3279, 0.3424



19.5643, 0.5202, 0.4252



1.7267, 0.5024, 0.4393

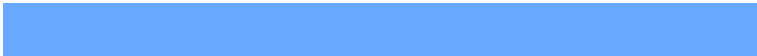


# Inverse Universe

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



37.8378, 0.2319, 0.2415



38.6712, 0.2153, 0.2187



23.5675, 0.2245, 0.1763



15.6145, 0.2980, 0.3152



8.7699, 0.1710, 0.1356



0.8763, 0.1785, 0.1625



# Previews

## White Background



This preview shows how the Yxy color 52.9365, 0.4102, 0.4015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

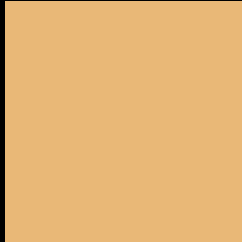
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.9365, 0.4102, 0.4015 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

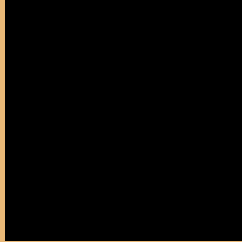
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.9365, 0.4102, 0.4015**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9365, 0.4102, 0.4015.



This preview shows how white text looks on a background with the Yxy color 52.9365, 0.4102, 0.4015.

# 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**

52.9365, 0.4102, 0.4015

**Protanopia**

53.2467, 0.3826, 0.4143

**Deuteranopia**

52.9365, 0.4102, 0.4015



## Tritanopia

52.6848, 0.3579, 0.3137

# Trichromacy



**Original Color**

52.9365, 0.4102, 0.4015

**Protanomaly**

53.1128, 0.3919, 0.4100

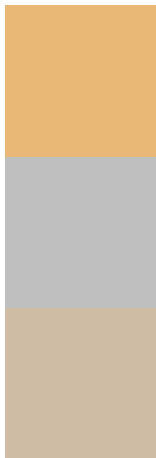
**Deuteranomaly**

52.9365, 0.4102, 0.4015

**Tritanomaly**

52.5257, 0.3778, 0.3449

# Monochromacy



**Original Color**

52.9365, 0.4102, 0.4015

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

51.8049, 0.3464, 0.3573

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9365, 0.4102, 0.4015 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(233, 184, 119)` looks like.

```
.text, #text, p{  
    color:rgb(233, 184, 119)  
}
```

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(233, 184, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 184, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9365, 0.4102, 0.4015 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(233, 184, 119) }
```

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

```
.border{ border-color:rgb(233, 184, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 184, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 184, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 184, 119);  
box-shadow:4px 4px 4px 4px rgb(233, 184,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9365, 0.4102, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 184, 119) }
```

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

```
.background{ background-color: rgb(233,  
184, 119) }
```

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