

# Converting Colors

$Y_{xy}(36.6619, 0.4316, 0.3643)$

Have a look what the booklet for  
Yxy(36.6619, 0.4316, 0.3643)  
contains.

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# Color

**Yxy(36.5252, 0.4317, 0.3647)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF8F71
RGB	223, 143, 113
RGB Percent	87%, 56%, 44%
CMY	0.1255, 0.4392, 0.5569
CMYK	0.00, 0.36, 0.49, 0.13
HSL	16°, 63%, 66%
HSV	16°, 49%, 87%
XYZ	43.2353, 36.5252, 20.3908
YIQ	163.5000, 57.3100, 7.6300

# Conversions

## Conversions Part 2

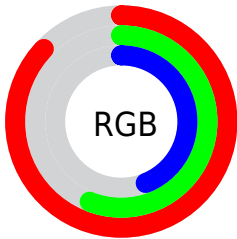
Format	Color
R <sub>Y</sub> B	223, 154, 113
Decimal	14651249
CIE Lab	66.92, 27.13, 28.54
CIE LCh	67, 39.373, 46.455
Yxy	36.5252, 0.4317, 0.3647
Android (android.graphics.Color)	4292841329 (0xFFDF8F71)
YUV	163.5000, -24.8965, 52.1815
Hunter-Lab	60.4361, 21.9339, 22.3011

# Details

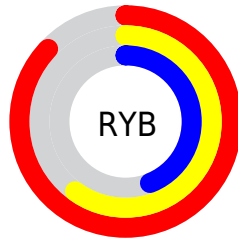
The Yxy color **36.5252, 0.4317, 0.3647** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.9742, 0.2405, 0.2882**, and the grayscale version is **36.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9091, 0.3858, 0.3626**, and **16.0353, 0.4681, 0.3698** is the 20% darker color. If you saturate the color by 10%, you get **31.5627, 0.4677, 0.3702**, and if you desaturate by 10%, it is **42.3186, 0.3996, 0.3578**.

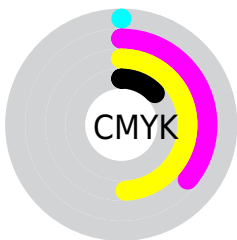
# Distribution



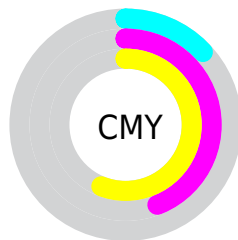
- Red (87%)
- Green (56%)
- Blue (44%)



- Red (87%)
- Yellow (60%)
- Blue (44%)



- Cyan (0%)
- Magenta (36%)
- Yellow (49%)
- Black (13%)




- Cyan (13%)
- Magenta (44%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5252, 0.4317, 0.3647 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 36.5252, 0.4317, 0.3647 by changing the saturation by 10% instead.




 36.5252, 0.4317,  
0.3647


 36.5252, 0.4317,  
0.3647


331.2503, 0.3695,  
0.3493


 24.8401, 0.4477,  
0.3675


 69.8419, 0.4087,  
0.3598


 15.9580, 0.4684,  
0.3703


 92.2423, 0.4001,  
0.3578

 9.4944, 0.4959,  
0.3725


 118.9833, 0.3930,  
0.3559

 5.0650, 0.5336,  
0.3724

 150.4492, 0.3869,  
0.3543

 2.2855, 0.6118,  
0.3808

187.0245, 0.3816,  
0.3528

 0.7660, 0.6646,  
0.3354

229.0935, 0.3771,

 0.0000, 1.0000,

0.3515

0.0000

277.0406, 0.3731,  
0.3503

0.0000, 0.0000,  
0.0000

36.5252, 0.4317,  
0.3647

36.5252, 0.4317,  
0.3647

31.5627, 0.4677,  
0.3702

42.3186, 0.3996,  
0.3578

27.3864, 0.5060,  
0.3732

48.9738, 0.3718,  
0.3502

23.9554, 0.5438,  
0.3726

56.5272, 0.3482,  
0.3427

21.2223, 0.5772,  
0.3675


65.0108, 0.3283,  
0.3354

19.1288, 0.6030,  
0.3587

74.4555, 0.3117,  
0.3286

 19.0092, 0.6046,  
0.3581

 84.8906, 0.2978,  
0.3223

 94.4288, 0.2935,  
0.3289

# Harmonies

## Analogous

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



36.5252, 0.4094, 0.3187



36.5252, 0.4317, 0.3647



36.5252, 0.4182, 0.4076

# Triad

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



36.5252, 0.4317, 0.3647



36.5252, 0.2635, 0.3894



36.5252, 0.2457, 0.2357

# Complementary

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



36.5252, 0.4317, 0.3647



46.9742, 0.2405, 0.2882

# 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.



36.5252, 0.2145, 0.2441



36.5252, 0.4317, 0.3647



36.5252, 0.2234, 0.3285

# Square

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



36.5252, 0.4317, 0.3647



36.5252, 0.3192, 0.4311



36.5252, 0.2066, 0.2755



36.5252, 0.2969, 0.2481



# Rectangle

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



36.5252, 0.4317, 0.3647



36.5252, 0.3925, 0.4287



36.5252, 0.2066, 0.2755



36.5252, 0.2328, 0.2361

# Sweetspot

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



36.5270, 0.4317, 0.3647



81.2963, 0.3394, 0.3395



31.3770, 0.3491, 0.2379



16.8889, 0.3437, 0.3411



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.



36.5270, 0.4317, 0.3647



42.7039, 0.4681, 0.3703



56.9657, 0.3983, 0.4244



14.3060, 0.3285, 0.3355



11.3384, 0.6020, 0.3602



0.9328, 0.5715, 0.3844



# Inverse Universe

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



46.9742, 0.2405, 0.2882



58.2663, 0.2285, 0.2782



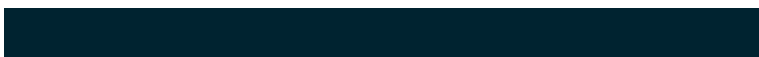
27.2051, 0.2254, 0.2092



14.9068, 0.2982, 0.3225



18.5574, 0.1995, 0.2382



1.4329, 0.2039, 0.2538



# Previews

## White Background



This preview shows how the Yxy color 36.5252, 0.4317, 0.3647 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

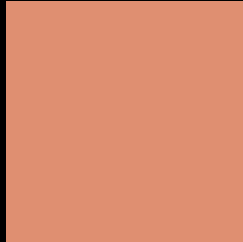
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.5252, 0.4317, 0.3647 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 36.5252, 0.4317, 0.3647**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.5252, 0.4317, 0.3647.



This preview shows how white text looks on a background with the Yxy color 36.5252, 0.4317, 0.3647.

# 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

36.5252, 0.4317, 0.3647

### Protanopia

36.7135, 0.3621, 0.3877

### Deuteranopia

36.5048, 0.3977, 0.3902



## Tritanopia

36.4838, 0.3985, 0.3175

# Trichromacy



**Original Color**

36.5252, 0.4317, 0.3647

**Protanomaly**

36.3153, 0.3858, 0.3791

**Deuteranomaly**

36.2601, 0.4102, 0.3803

**Tritanomaly**

36.5130, 0.4113, 0.3352

# Monochromacy



**Original Color**

36.5252, 0.4317, 0.3647

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

36.1356, 0.3526, 0.3443

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.5252, 0.4317, 0.3647 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(223, 143, 113)` looks like.

```
.text, #text, p{  
    color:rgb(223, 143, 113)  
}
```

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(223, 143, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 143, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 36.5252, 0.4317, 0.3647 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(223, 143, 113) }
```

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

```
.border{ border-color:rgb(223, 143, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 143, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 143, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 143, 113);  
box-shadow:4px 4px 4px 4px rgb(223, 143,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.5252, 0.4317, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 143, 113) }
```

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

```
.background{ background-color: rgb(223,  
143, 113) }
```

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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