

# Converting Colors

$Y_{xy}(36.2222, 0.4056, 0.3620)$

Have a look what the booklet for  
Yxy(36.2222, 0.4056, 0.3620)  
contains.

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# Color

**Yxy(36.2866, 0.4058, 0.3620)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2947A
RGB	210, 148, 122
RGB Percent	82%, 58%, 48%
CMY	0.1766, 0.4195, 0.5215
CMYK	0.00, 0.30, 0.42, 0.18
HSL	18°, 49%, 65%
HSV	18°, 42%, 82%
XYZ	40.6771, 36.2866, 23.2755
YIQ	163.5740, 45.2980, 5.0580

# Conversions

## Conversions Part 2

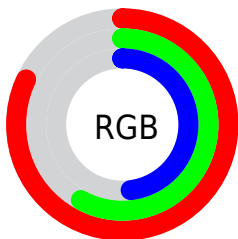
Format	Color
R <sub>Y</sub> B	210, 159, 122
Decimal	13800570
CIE Lab	66.74, 20.17, 23.07
CIE LCh	67, 30.639, 48.839
Yxy	36.2866, 0.4058, 0.3620
Android (android.graphics.Color)	4291990650 (0xFFD2947A)
YUV	163.5740, -20.4960, 40.7156
Hunter-Lab	60.2384, 15.1183, 19.2577

# Details

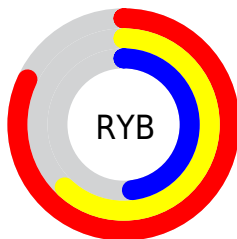
The Yxy color **36.2866, 0.4058, 0.3620** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.0609, 0.2500, 0.2926**, and the grayscale version is **36.9955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5962, 0.3760, 0.3573**, and **15.8027, 0.4350, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **31.4748, 0.4381, 0.3693**, and if you desaturate by 10%, it is **41.8073, 0.3776, 0.3540**.

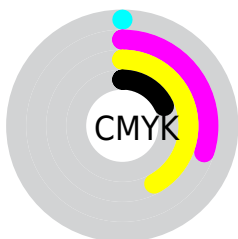
# Distribution



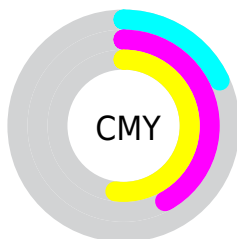
- Red (82%)
- Green (58%)
- Blue (48%)



- Red (82%)
- Yellow (62%)
- Blue (48%)



- Cyan (0%)
- Magenta (30%)
- Yellow (42%)
- Black (18%)




- Cyan (18%)
- Magenta (42%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2866, 0.4058, 0.3620 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 36.2866, 0.4058, 0.3620 by changing the saturation by 10% instead.





 36.2866, 0.4058,  
0.3620


 36.2866, 0.4058,  
0.3620


330.2115, 0.3570,  
0.3467

 24.6556, 0.4186,  
0.3653


 69.4742, 0.3876,  
0.3568

 15.8207, 0.4353,  
0.3691


 91.7996, 0.3809,  
0.3547

 9.3973, 0.4578,  
0.3733


 118.4586, 0.3753,  
0.3529

 5.0013, 0.4896,  
0.3772

149.8356, 0.3705,  
0.3513

 2.2480, 0.5459,  
0.3848

186.3150, 0.3664,  
0.3500

 0.7460, 0.6272,  
0.3728

228.2812, 0.3629,

 0.0000, 1.0000,

0.3487

0.0000

276.1186, 0.3597,  
0.3476

0.0000, 0.0000,  
0.0000

36.2866, 0.4058,  
0.3620

36.2866, 0.4058,  
0.3620

31.4748, 0.4381,  
0.3693

41.8073, 0.3776,  
0.3540

27.3371, 0.4737,  
0.3748

48.0594, 0.3534,  
0.3458

23.8433, 0.5110,  
0.3775

55.0709, 0.3329,  
0.3378

20.9587, 0.5471,  
0.3762

62.8666, 0.3157,  
0.3304

18.6448, 0.5783,  
0.3702

71.4703, 0.3012,  
0.3234

■ 17.1515, 0.5987,  
0.3628

■ 80.9047, 0.2889,  
0.3171

■ 90.2569, 0.2858,  
0.3254

■ 92.4385, 0.2860,  
0.3289

# Harmonies

## Analogous

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



36.2866, 0.3902, 0.3247



36.2866, 0.4058, 0.3620



36.2866, 0.3941, 0.3946

# Triad

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



36.2866, 0.4058, 0.3620



36.2866, 0.2715, 0.3720



36.2866, 0.2626, 0.2545

# Complementary

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



36.2866, 0.4058, 0.3620



43.0609, 0.2500, 0.2926

# 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.



36.2866, 0.2356, 0.2607



36.2866, 0.4058, 0.3620



36.2866, 0.2402, 0.3259

# Square

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



36.2866, 0.4058, 0.3620



36.2866, 0.3152, 0.4054



36.2866, 0.2277, 0.2853



36.2866, 0.3046, 0.2655



# Rectangle

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



36.2866, 0.4058, 0.3620



36.2866, 0.3735, 0.4089



36.2866, 0.2277, 0.2853



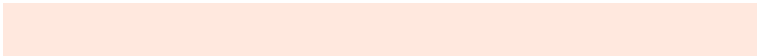
36.2866, 0.2517, 0.2546

# Sweetspot

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



36.2884, 0.4058, 0.3620



84.0419, 0.3353, 0.3388



31.1253, 0.3435, 0.2528



17.4535, 0.3396, 0.3406



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.



36.2884, 0.4058, 0.3620



49.7842, 0.4335, 0.3684



52.3301, 0.3835, 0.4121



12.3697, 0.3283, 0.3359



10.6178, 0.5960, 0.3649



0.7317, 0.5594, 0.3941

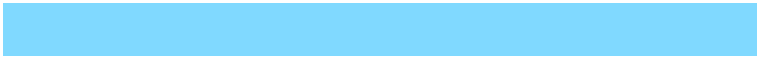


# Inverse Universe

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



43.0609, 0.2500, 0.2926



61.5562, 0.2385, 0.2836



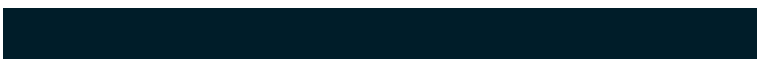
27.8610, 0.2396, 0.2286



12.7922, 0.2983, 0.3220



15.9249, 0.1974, 0.2304



1.0247, 0.2030, 0.2507



# Previews

## White Background



This preview shows how the Yxy color 36.2866, 0.4058, 0.3620 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 36.2866, 0.4058, 0.3620 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 36.2866, 0.4058, 0.3620**

## Background



This preview shows how black text looks on a background with the Yxy color 36.2866, 0.4058, 0.3620.



This preview shows how white text looks on a background with the Yxy color 36.2866, 0.4058, 0.3620.

# 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

36.2866, 0.4058, 0.3620

### Protanopia

36.3099, 0.3539, 0.3766

### Deuteranopia

36.3395, 0.3848, 0.3778



## Tritanopia

36.1241, 0.3764, 0.3155

# Trichromacy



**Original Color**

36.2866, 0.4058, 0.3620

**Protanomaly**

36.0594, 0.3722, 0.3720

**Deuteranomaly**

36.3051, 0.3927, 0.3713

**Tritanomaly**

36.2008, 0.3878, 0.3330

# Monochromacy



**Original Color**

36.2866, 0.4058, 0.3620

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

36.4474, 0.3441, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.2866, 0.4058, 0.3620 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(210, 148, 122)` looks like.

```
.text, #text, p{  
    color:rgb(210, 148, 122)  
}
```

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(210, 148, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 148, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 36.2866, 0.4058, 0.3620 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(210, 148, 122) }
```

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

```
.border{ border-color:rgb(210, 148, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 148, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 148, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 148, 122);  
box-shadow:4px 4px 4px 4px rgb(210, 148,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.2866, 0.4058, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 148, 122) }
```

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

```
.background{ background-color: rgb(210,  
148, 122) }
```

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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