

# Converting Colors

Yxy(31.7718, 0.4293, 0.3424)

Have a look what the booklet for  
Yxy(31.7718, 0.4293, 0.3424)  
contains.

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# Color

**Yxy(31.7602, 0.4288, 0.3427)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D98176
RGB	217, 129, 118
RGB Percent	85%, 51%, 46%
CMY	0.1490, 0.4941, 0.5372
CMYK	0.00, 0.41, 0.46, 0.15
HSL	7°, 57%, 66%
HSV	7°, 46%, 85%
XYZ	39.7396, 31.7602, 21.1766
YIQ	154.0580, 55.9790, 15.2350

# Conversions

## Conversions Part 2

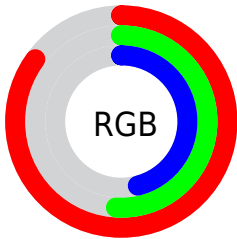
Format	Color
R <sub>Y</sub> B	217, 130, 118
Decimal	14254454
CIE Lab	63.14, 32.74, 20.58
CIE LCh	63, 38.671, 32.151
Yxy	31.7602, 0.4288, 0.3427
Android (android.graphics.Color)	4292444534 (0xFFD98176)
YUV	154.0580, -17.7766, 55.2001
Hunter-Lab	56.3562, 27.2462, 17.1704

# Details

The Yxy color **31.7602, 0.4288, 0.3427** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **53.0183, 0.2493, 0.3141**, and the grayscale version is **32.4035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0293, 0.3866, 0.3429**, and **13.2619, 0.4674, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **26.6923, 0.4691, 0.3450**, and if you desaturate by 10%, it is **37.9095, 0.3941, 0.3398**.

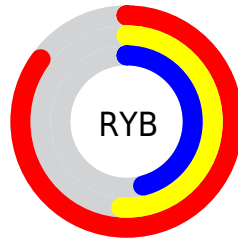
# Distribution



Red (85%)

Green (51%)

Blue (46%)



Red (85%)

Yellow (51%)

Blue (46%)

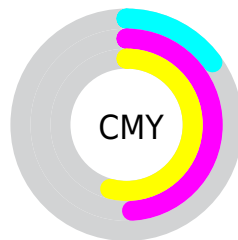


Cyan (0%)

Magenta (41%)

Yellow (46%)

Black (15%)



Cyan (15%)

Magenta (49%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7602, 0.4288, 0.3427 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 31.7602, 0.4288, 0.3427 by changing the saturation by 10% instead.





 31.7602, 0.4288,  
0.3427


 31.7602, 0.4288,  
0.3427


310.0254, 0.3665,  
0.3380

 21.1784, 0.4456,  
0.3429


 62.4350, 0.4052,  
0.3416

 13.2545, 0.4678,  
0.3425


 83.2967, 0.3966,  
0.3410

 7.6040, 0.4983,  
0.3407


 108.3539, 0.3895,  
0.3404

 3.8426, 0.5423,  
0.3351

137.9910, 0.3835,  
0.3399

 1.5859, 0.6356,  
0.3338

172.5923, 0.3783,  
0.3394

 0.3481, 0.7698,  
0.2302

212.5422, 0.3738,


 0.0000, 1.0000,

0.3389

0.0000


258.2251, 0.3699,  
0.3384


 0.0000, 0.0000,  
0.0000


 31.7602, 0.4288,  
0.3427


 31.7602, 0.4288,  
0.3427


 26.6923, 0.4691,  
0.3450


 37.9095, 0.3941,  
0.3398


 22.6386, 0.5133,  
0.3462


 45.1929, 0.3651,  
0.3366


 19.5319, 0.5577,  
0.3456


 53.6651, 0.3413,  
0.3335


 17.2947, 0.5965,  
0.3428

 63.3761, 0.3220,  
0.3306

 15.8371, 0.6236,  
0.3382

 74.3729, 0.3062,  
0.3278

 15.4113, 0.6319,  
0.3364

 86.7003, 0.2934,  
0.3254

 93.4944, 0.2900,  
0.3289

# Harmonies

## Analogous

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



31.7602, 0.3896, 0.2971



31.7602, 0.4288, 0.3427



31.7602, 0.4321, 0.3894

# Triad

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



31.7602, 0.4288, 0.3427



31.7602, 0.2881, 0.4161



31.7602, 0.2258, 0.2346

# Complementary

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



31.7602, 0.4288, 0.3427



53.0183, 0.2493, 0.3141

# 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.



31.7602, 0.2051, 0.2540



31.7602, 0.4288, 0.3427



31.7602, 0.2378, 0.3589

# Square

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



31.7602, 0.4288, 0.3427



31.7602, 0.3479, 0.4412



31.7602, 0.2089, 0.2975



31.7602, 0.2692, 0.2376



# Rectangle

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



31.7602, 0.4288, 0.3427



31.7602, 0.4146, 0.4166



31.7602, 0.2089, 0.2975



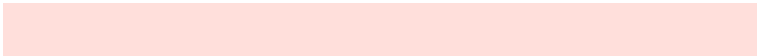
31.7602, 0.2162, 0.2384

# Sweetspot

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



31.7618, 0.4288, 0.3427



79.3061, 0.3382, 0.3331



32.2231, 0.3278, 0.2278



16.3614, 0.3428, 0.3337



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.



31.7618, 0.4288, 0.3427



38.5420, 0.4686, 0.3450



47.6700, 0.4001, 0.3999



13.2830, 0.3289, 0.3317



9.4041, 0.6304, 0.3376



0.6891, 0.6077, 0.3557



# Inverse Universe

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



53.0183, 0.2493, 0.3141



72.8344, 0.2390, 0.3104



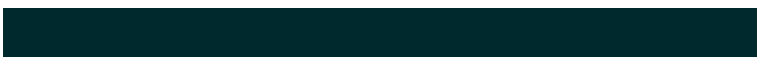
33.1834, 0.2370, 0.2445



14.5698, 0.2982, 0.3263



26.1943, 0.2150, 0.2939



1.7689, 0.2167, 0.3001



# Previews

## White Background



This preview shows how the Yxy color 31.7602, 0.4288, 0.3427 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 31.7602, 0.4288, 0.3427 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 31.7602, 0.4288, 0.3427**

## Background



This preview shows how black text looks on a background with the Yxy color 31.7602, 0.4288, 0.3427.



This preview shows how white text looks on a background with the Yxy color 31.7602, 0.4288, 0.3427.

# 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

31.7602, 0.4288, 0.3427

### Protanopia

31.9445, 0.3440, 0.3657

### Deuteranopia

31.9290, 0.3825, 0.3748



## Tritanopia

31.6047, 0.4096, 0.3171

# Trichromacy



**Original Color**

31.7602, 0.4288, 0.3427

**Protanomaly**

31.2509, 0.3733, 0.3564

**Deuteranomaly**

31.4865, 0.3996, 0.3618

**Tritanomaly**

31.6691, 0.4177, 0.3269

# Monochromacy



**Original Color**

31.7602, 0.4288, 0.3427

**Achromatopsia**

32.3143, 0.3127, 0.3290

**Achromatomaly**

31.5210, 0.3513, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.7602, 0.4288, 0.3427 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(217, 129, 118)` looks like.

```
.text, #text, p{  
    color:rgb(217, 129, 118)  
}
```

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(217, 129, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 129, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 31.7602, 0.4288, 0.3427 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(217, 129, 118) }
```

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

```
.border{ border-color:rgb(217, 129, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 129, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 129, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 129, 118);  
box-shadow:4px 4px 4px 4px rgb(217, 129,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.7602, 0.4288, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 129, 118) }
```

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

```
.background{ background-color: rgb(217,  
129, 118) }
```

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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