

# Converting Colors

Yxy(31.4808, 0.4468, 0.3615)

Have a look what the booklet for  
Yxy(31.4808, 0.4468, 0.3615)  
contains.

<b>Yxy(31.4115, 0.4474, 0.3616)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(31.4115, 0.4474, 0.3616)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D98166
RGB	217, 129, 102
RGB Percent	85%, 51%, 40%
CMY	0.1490, 0.4941, 0.5999
CMYK	0.00, 0.41, 0.53, 0.15
HSL	14°, 60%, 63%
HSV	14°, 53%, 85%
XYZ	38.8648, 31.4115, 16.5918
YIQ	152.2340, 61.1150, 10.2590

# Conversions

## Conversions Part 2

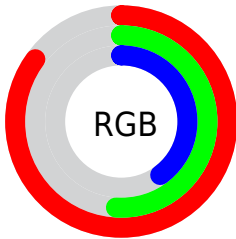
Format	Color
R <sub>Y</sub> B	217, 137, 102
Decimal	14254438
CIE Lab	62.85, 31.23, 29.13
CIE LCh	63, 42.706, 43.006
Yxy	31.4115, 0.4474, 0.3616
Android (android.graphics.Color)	4292444518 (0xFFD98166)
YUV	152.2340, -24.7654, 56.7998
Hunter-Lab	56.0460, 25.6995, 21.6800

# Details

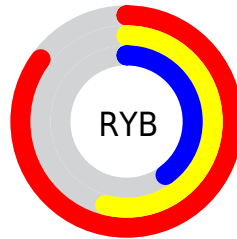
The Yxy color **31.4115, 0.4474, 0.3616** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **44.6728, 0.2374, 0.2911**, and the grayscale version is **31.5968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4269, 0.4015, 0.3607**, and **12.9937, 0.4905, 0.3639** is the 20% darker color. If you saturate the color by 10%, you get **27.0116, 0.4860, 0.3655**, and if you desaturate by 10%, it is **36.6385, 0.4126, 0.3560**.

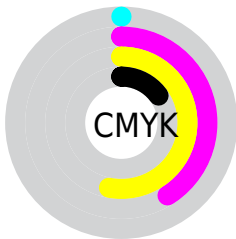
# Distribution



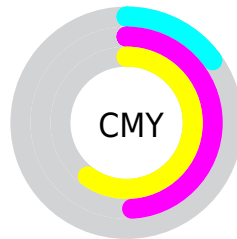
- Red (85%)
- Green (51%)
- Blue (40%)



- Red (85%)
- Yellow (54%)
- Blue (40%)



- Cyan (0%)
- Magenta (41%)
- Yellow (53%)
- Black (15%)




- Cyan (15%)
- Magenta (49%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4115, 0.4474, 0.3616 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 31.4115, 0.4474, 0.3616 by changing the saturation by 10% instead.





 31.4115, 0.4474,  
0.3616


 31.4115, 0.4474,  
0.3616


308.4296, 0.3754,  
0.3482

 20.9124, 0.4664,  
0.3635


 61.8874, 0.4203,  
0.3577


 13.0600, 0.4912,  
0.3648


 82.6329, 0.4104,  
0.3559

 7.4699, 0.5245,  
0.3644


 107.5627, 0.4022,  
0.3543

 3.7576, 0.5713,  
0.3599

 137.0612, 0.3952,  
0.3528

 1.5389, 0.6505,  
0.3495

171.5127, 0.3892,  
0.3515

 0.3159, 0.7741,  
0.2259

211.3017, 0.3840,

 0.0000, 1.0000,

0.3503

0.0000

256.8126, 0.3794,  
0.3492

0.0000, 0.0000,  
0.0000

31.4115, 0.4474,  
0.3616

31.4115, 0.4474,  
0.3616

27.0116, 0.4860,  
0.3655

36.6385, 0.4126,  
0.3560

23.3906, 0.5261,  
0.3667

42.7277, 0.3823,  
0.3497

20.5026, 0.5642,  
0.3642

49.7181, 0.3567,  
0.3431

18.2944, 0.5956,  
0.3577

57.6448, 0.3353,  
0.3367

17.1120, 0.6126,  
0.3518

66.5409, 0.3174,  
0.3307

■ 76.4381, 0.3026,  
0.3251

■ 87.3664, 0.2902,  
0.3200

■ 93.4916, 0.2900,  
0.3289

# Harmonies

## Analogous

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



31.4115, 0.4177, 0.3108



31.4115, 0.4474, 0.3616



31.4115, 0.4355, 0.4112

# Triad

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



31.4115, 0.4474, 0.3616



31.4115, 0.2628, 0.4060



31.4115, 0.2317, 0.2243

# Complementary

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



31.4115, 0.4474, 0.3616



44.6728, 0.2374, 0.2911

# 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.



31.4115, 0.2002, 0.2356



31.4115, 0.4474, 0.3616



31.4115, 0.2156, 0.3357

# Square

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



31.4115, 0.4474, 0.3616



31.4115, 0.3266, 0.4496



31.4115, 0.1944, 0.2731



31.4115, 0.2868, 0.2358



# Rectangle

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



31.4115, 0.4474, 0.3616



31.4115, 0.4080, 0.4379



31.4115, 0.1944, 0.2731



31.4115, 0.2184, 0.2253

# Sweetspot

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



31.4131, 0.4474, 0.3616



79.3148, 0.3416, 0.3387



27.9850, 0.3480, 0.2282



16.4639, 0.3460, 0.3400



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.



31.4131, 0.4474, 0.3616



38.0192, 0.4924, 0.3659



50.9728, 0.4072, 0.4267



13.5449, 0.3286, 0.3346



10.4942, 0.6102, 0.3537



0.8126, 0.5782, 0.3791



# Inverse Universe

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



44.6728, 0.2374, 0.2911



58.9599, 0.2251, 0.2812



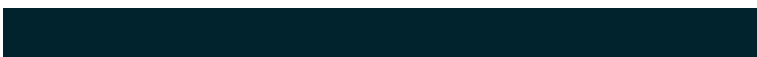
24.5255, 0.2198, 0.2046



14.2846, 0.2982, 0.3234



19.7294, 0.2033, 0.2518



1.4062, 0.2072, 0.2658



# Previews

## White Background



This preview shows how the Yxy color 31.4115, 0.4474, 0.3616 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

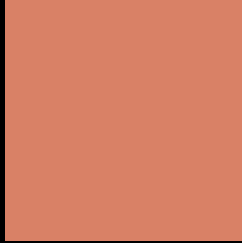
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.4115, 0.4474, 0.3616 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

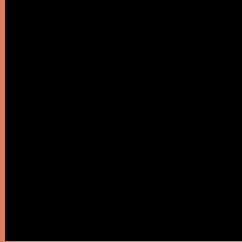
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.4115, 0.4474, 0.3616**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.4115, 0.4474, 0.3616.



This preview shows how white text looks on a background with the Yxy color 31.4115, 0.4474, 0.3616.

# 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

31.4115, 0.4474, 0.3616

### Protanopia

31.5188, 0.3644, 0.3899

### Deuteranopia

31.5259, 0.4018, 0.3951



## Tritanopia

31.4485, 0.4136, 0.3184

# Trichromacy



**Original Color**

31.4115, 0.4474, 0.3616

**Protanomaly**

31.0965, 0.3938, 0.3802

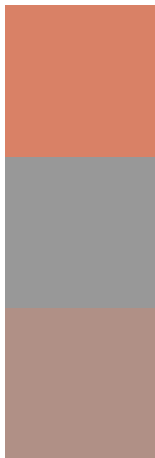
**Deuteranomaly**

31.2784, 0.4181, 0.3826

**Tritanomaly**

31.2323, 0.4268, 0.3342

# Monochromacy



**Original Color**

31.4115, 0.4474, 0.3616

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

30.8979, 0.3580, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.4115, 0.4474, 0.3616 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(217, 129, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 129, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 31.4115, 0.4474, 0.3616 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, 102) }
```

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

```
.border{ border-color:rgb(217, 129, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 129, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 129, 102); box-shadow:4px 4px 4px 4px rgb(217, 129, 102) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.4115, 0.4474, 0.3616 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, 102) }
```

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

```
.background{ background-color: rgb(217,  
129, 102) }
```

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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