

# Converting Colors

$Y_{xy}(42.4773, 0.4132, 0.3633)$

Have a look what the booklet for  
Yxy(42.4773, 0.4132, 0.3633)  
contains.

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# Color

**Yxy(42.6702, 0.4132, 0.3640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E59E80
RGB	229, 158, 128
RGB Percent	90%, 62%, 50%
CMY	0.1020, 0.3804, 0.4979
CMYK	0.00, 0.31, 0.44, 0.10
HSL	18°, 66%, 70%
HSV	18°, 44%, 90%
XYZ	48.4377, 42.6702, 26.1179
YIQ	175.8090, 51.9460, 5.7220

# Conversions

## Conversions Part 2

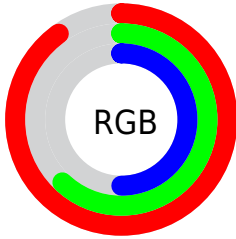
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 171, 128
Decimal	15048320
CIE <sub>Lab</sub>	71.33, 22.95, 26.30
CIE <sub>LCh</sub>	71, 34.910, 48.889
Yxy	42.6702, 0.4132, 0.3640
Android (android.graphics.Color)	4293238400 (0xFFE59E80)
YUV	175.8090, -23.5698, 46.6485
Hunter-Lab	65.3224, 18.0466, 22.0197

# Details

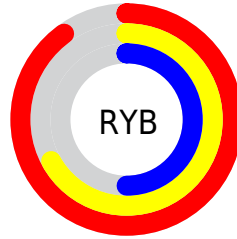
The Yxy color **42.6702, 0.4132, 0.3640** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **51.1107, 0.2466, 0.2899**, and the grayscale version is **43.4186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1847, 0.3681, 0.3621**, and **19.5161, 0.4435, 0.3711** is the 20% darker color. If you saturate the color by 10%, you get **36.9970, 0.4465, 0.3710**, and if you desaturate by 10%, it is **49.2035, 0.3838, 0.3560**.

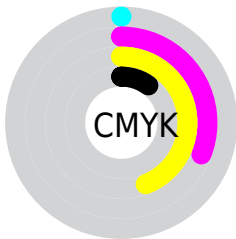
# Distribution



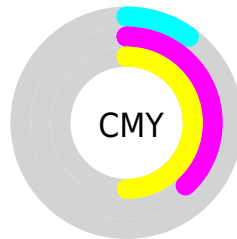
- Red (90%)
- Green (62%)
- Blue (50%)



- Red (90%)
- Yellow (67%)
- Blue (50%)



- Cyan (0%)
- Magenta (31%)
- Yellow (44%)
- Black (10%)




- Cyan (10%)
- Magenta (38%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6702, 0.4132, 0.3640 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 42.6702, 0.4132, 0.3640 by changing the saturation by 10% instead.





 42.6702, 0.4132,  
0.3640

 42.6702, 0.4132,  
0.3640


357.2537, 0.3619,  
0.3484

 29.6264, 0.4261,  
0.3671


 79.2129, 0.3944,  
0.3589

 19.5552, 0.4427,  
0.3706


 103.4807, 0.3874,  
0.3568

 12.0721, 0.4645,  
0.3744


 132.2586, 0.3815,  
0.3550

 6.7928, 0.4943,  
0.3777

165.9310, 0.3764,  
0.3533

 3.3329, 0.5376,  
0.3791

204.8823, 0.3721,  
0.3519

 1.3079, 0.6185,  
0.3815

249.4970, 0.3683,

 0.1473, 0.8262,

0.3506

0.1738

300.1593, 0.3649,  
0.3495

0.0000, 0.0000,  
0.0000

42.6702, 0.4132,  
0.3640

42.6702, 0.4132,  
0.3640

36.9970, 0.4465,  
0.3710

49.2035, 0.3838,  
0.3560

32.1407, 0.4829,  
0.3760

56.6252, 0.3586,  
0.3477

28.0632, 0.5204,  
0.3778

64.9702, 0.3372,  
0.3397

24.7209, 0.5557,  
0.3753

74.2694, 0.3192,  
0.3320

22.0647, 0.5851,  
0.3680

84.5522, 0.3041,  
0.3249

■ 20.7882, 0.5993,  
0.3624

■ 95.1563, 0.2970,  
0.3286

■ 95.3977, 0.2970,  
0.3290

# Harmonies

## Analogous

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



42.6702, 0.3965, 0.3242



42.6702, 0.4132, 0.3640



42.6702, 0.4003, 0.3993

# Triad

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



42.6702, 0.4132, 0.3640



42.6702, 0.2681, 0.3755



42.6702, 0.2588, 0.2492

# Complementary

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



42.6702, 0.4132, 0.3640



51.1107, 0.2466, 0.2899

# 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.



42.6702, 0.2300, 0.2555



42.6702, 0.4132, 0.3640



42.6702, 0.2347, 0.3253

# Square

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



42.6702, 0.4132, 0.3640



42.6702, 0.3150, 0.4119



42.6702, 0.2216, 0.2815



42.6702, 0.3039, 0.2611



# Rectangle

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



42.6702, 0.4132, 0.3640



42.6702, 0.3778, 0.4151



42.6702, 0.2216, 0.2815



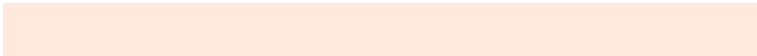
42.6702, 0.2471, 0.2492

# Sweetspot

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



42.6723, 0.4132, 0.3640



84.0643, 0.3353, 0.3389



36.2944, 0.3459, 0.2485



17.4590, 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.



42.6723, 0.4132, 0.3640



47.7416, 0.4438, 0.3705



62.9026, 0.3879, 0.4167



15.0617, 0.3285, 0.3360



12.0687, 0.5965, 0.3646



1.0493, 0.5678, 0.3874

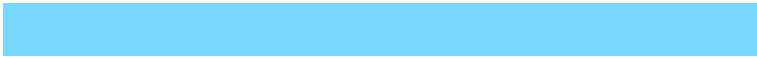


# Inverse Universe

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



51.1107, 0.2466, 0.2899



59.7452, 0.2346, 0.2801



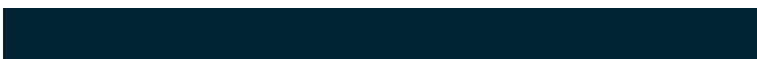
32.0340, 0.2349, 0.2217



15.5760, 0.2981, 0.3219



18.0335, 0.1971, 0.2295



1.4925, 0.2016, 0.2458



# Previews

## White Background



This preview shows how the Yxy color 42.6702, 0.4132, 0.3640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

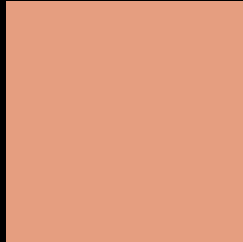
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.6702, 0.4132, 0.3640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

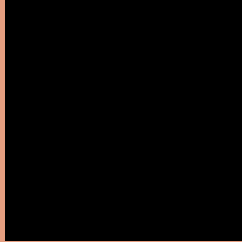
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.6702, 0.4132, 0.3640**

## Background



This preview shows how black text looks on a background with the Yxy color 42.6702, 0.4132, 0.3640.



This preview shows how white text looks on a background with the Yxy color 42.6702, 0.4132, 0.3640.

# 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

42.6702, 0.4132, 0.3640

### Protanopia

43.0023, 0.3572, 0.3814

### Deuteranopia

42.9215, 0.3894, 0.3818



## Tritanopia

42.6549, 0.3805, 0.3154

# Trichromacy



**Original Color**

42.6702, 0.4132, 0.3640

**Protanomaly**

42.6259, 0.3767, 0.3753

**Deuteranomaly**

42.6822, 0.3984, 0.3743

**Tritanomaly**

42.6986, 0.3923, 0.3327

# Monochromacy



**Original Color**

42.6702, 0.4132, 0.3640

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

42.4812, 0.3459, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.6702, 0.4132, 0.3640 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(229, 158, 128)` looks like.

```
.text, #text, p{  
    color:rgb(229, 158, 128)  
}
```

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(229, 158, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 158, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 42.6702, 0.4132, 0.3640 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(229, 158, 128) }
```

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

```
.border{ border-color:rgb(229, 158, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 158, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 158, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 158, 128);  
box-shadow:4px 4px 4px 4px rgb(229, 158,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.6702, 0.4132, 0.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 158, 128) }
```

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

```
.background{ background-color: rgb(229,  
158, 128) }
```

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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