

# Converting Colors

$Y_{xy}(41.7328, 0.4159, 0.3611)$

Have a look what the booklet for  
Yxy(41.7328, 0.4159, 0.3611)  
contains.

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# Color

**Yxy(41.8242, 0.4159, 0.3605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E69B80
RGB	230, 155, 128
RGB Percent	90%, 61%, 50%
CMY	0.0980, 0.3921, 0.4982
CMYK	0.00, 0.33, 0.44, 0.10
HSL	16°, 67%, 70%
HSV	16°, 44%, 90%
XYZ	48.2516, 41.8242, 25.9414
YIQ	174.3470, 53.3670, 7.5030

# Conversions

## Conversions Part 2

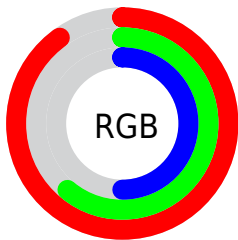
Format	Color
R <sub>Y</sub> B	230, 165, 128
Decimal	15113088
CIE Lab	70.75, 24.95, 25.58
CIE LCh	71, 35.731, 45.721
Yxy	41.8242, 0.4159, 0.3605
Android (android.graphics.Color)	4293303168 (0xFFE69B80)
YUV	174.3470, -22.8491, 48.8077
Hunter-Lab	64.6716, 20.0036, 21.4874

# Details

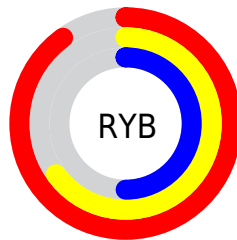
The Yxy color **41.8242, 0.4159, 0.3605** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **53.0019, 0.2470, 0.2940**, and the grayscale version is **42.6147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6894, 0.3689, 0.3591**, and **19.0357, 0.4463, 0.3650** is the 20% darker color. If you saturate the color by 10%, you get **36.0485, 0.4505, 0.3667**, and if you desaturate by 10%, it is **48.5293, 0.3856, 0.3534**.

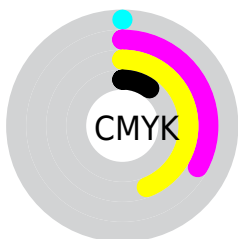
# Distribution



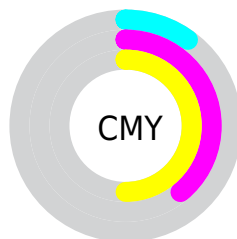
- Red (90%)
- Green (61%)
- Blue (50%)



- Red (90%)
- Yellow (65%)
- Blue (50%)



- Cyan (0%)
- Magenta (33%)
- Yellow (44%)
- Black (10%)




- Cyan (10%)
- Magenta (39%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8242, 0.4159, 0.3605 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 41.8242, 0.4159, 0.3605 by changing the saturation by 10% instead.





 41.8242, 0.4159,  
0.3605


 41.8242, 0.4159,  
0.3605


353.7537, 0.3630,  
0.3467

 28.9637, 0.4293,  
0.3632


 77.9335, 0.3965,  
0.3561

 19.0533, 0.4465,  
0.3660


 101.9510, 0.3893,  
0.3542

 11.7088, 0.4693,  
0.3689


 130.4564, 0.3832,  
0.3526

 6.5457, 0.5005,  
0.3710

163.8339, 0.3779,  
0.3511

 3.1797, 0.5463,  
0.3706

202.4680, 0.3735,  
0.3499

 1.2262, 0.6311,  
0.3689

246.7430, 0.3695,

 0.0830, 0.8924,

0.3487

0.1076

297.0435, 0.3661,  
0.3477

0.0000, 0.0000,  
0.0000

41.8242, 0.4159,  
0.3605

41.8242, 0.4159,  
0.3605

36.0485, 0.4505,  
0.3667

48.5293, 0.3856,  
0.3534

31.1540, 0.4883,  
0.3709

56.1968, 0.3597,  
0.3460

27.0974, 0.5272,  
0.3720


64.8655, 0.3379,  
0.3387

23.8288, 0.5636,  
0.3690

74.5704, 0.3197,  
0.3318

21.2924, 0.5933,  
0.3617

85.3446, 0.3045,  
0.3255

 20.1551, 0.6067,  
0.3565

 95.5646, 0.2976,  
0.3290

# Harmonies

## Analogous

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



41.8242, 0.3956, 0.3197



41.8242, 0.4159, 0.3605



41.8242, 0.4055, 0.3979

# Triad

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



41.8242, 0.4159, 0.3605



41.8242, 0.2713, 0.3820



41.8242, 0.2533, 0.2468

# Complementary

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



41.8242, 0.4159, 0.3605



53.0019, 0.2470, 0.2940

# 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.



41.8242, 0.2258, 0.2552



41.8242, 0.4159, 0.3605



41.8242, 0.2352, 0.3305

# Square

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



41.8242, 0.4159, 0.3605



41.8242, 0.3204, 0.4170



41.8242, 0.2194, 0.2840



41.8242, 0.2981, 0.2572



# Rectangle

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



41.8242, 0.4159, 0.3605



41.8242, 0.3839, 0.4156



41.8242, 0.2194, 0.2840



41.8242, 0.2419, 0.2474

# Sweetspot

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



41.8263, 0.4159, 0.3605



83.4720, 0.3354, 0.3378



36.6391, 0.3426, 0.2447



17.3141, 0.3398, 0.3394



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.



41.8263, 0.4159, 0.3605



46.2735, 0.4466, 0.3661



61.8063, 0.3900, 0.4139



14.9858, 0.3286, 0.3353



11.5804, 0.6040, 0.3586



1.0049, 0.5753, 0.3814

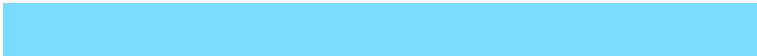


# Inverse Universe

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



53.0019, 0.2470, 0.2940



61.9676, 0.2358, 0.2856



33.2409, 0.2352, 0.2256



15.6564, 0.2981, 0.3226



19.5239, 0.2003, 0.2409



1.5928, 0.2043, 0.2553



# Previews

## White Background



This preview shows how the Yxy color 41.8242, 0.4159, 0.3605 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

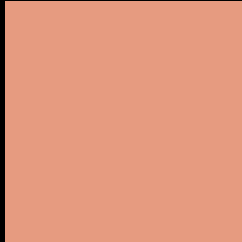
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.8242, 0.4159, 0.3605 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

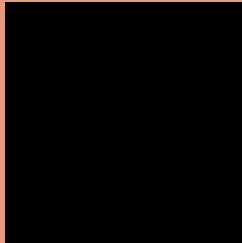
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.8242, 0.4159, 0.3605**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.8242, 0.4159, 0.3605.



This preview shows how white text looks on a background with the Yxy color 41.8242, 0.4159, 0.3605.

# 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

41.8242, 0.4159, 0.3605

### Protanopia

41.9790, 0.3559, 0.3792

### Deuteranopia

41.9006, 0.3885, 0.3798



## Tritanopia

41.7450, 0.3857, 0.3155

# Trichromacy



## Original Color

41.8242, 0.4159, 0.3605

## Protanomaly

41.3834, 0.3769, 0.3718

## Deuteranomaly

41.8200, 0.3984, 0.3721

## Tritanomaly

41.8143, 0.3966, 0.3316

# Monochromacy



## Original Color

41.8242, 0.4159, 0.3605

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.5411, 0.3473, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8242, 0.4159, 0.3605 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(230, 155, 128)` looks like.

```
.text, #text, p{  
    color:rgb(230, 155, 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(230, 155, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 155, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8242, 0.4159, 0.3605 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(230, 155, 128) }
```

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

```
.border{ border-color:rgb(230, 155, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 155, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 155, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 155, 128); box-shadow:4px 4px 4px 4px rgb(230, 155, 128) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8242, 0.4159, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 155, 128) }
```

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

```
.background{ background-color: rgb(230,  
155, 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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