

# Converting Colors

Yxy(66.4180, 0.3748, 0.4113)

Have a look what the booklet for  
Yxy(66.4180, 0.3748, 0.4113)  
contains.

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# Color

**Yxy(66.3175, 0.3751, 0.4114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D68C
RGB	227, 214, 140
RGB Percent	89%, 84%, 55%
CMY	0.1097, 0.1608, 0.4511
CMYK	0.00, 0.06, 0.38, 0.11
HSL	51°, 61%, 72%
HSV	51°, 38%, 89%
XYZ	60.4660, 66.3175, 34.4161
YIQ	209.4510, 31.5020, -20.2580

# Conversions

## Conversions Part 2

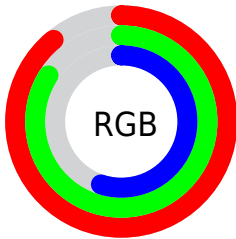
Format	Color
<b>RYB</b>	155, 227, 140
Decimal	14931596
CIELab	85.16, -6.00, 38.17
CIELCh	85, 38.642, 98.934
Yxy	66.3175, 0.3751, 0.4114
Android (android.graphics.Color)	4293121676 (0xFFE3D68C)
YUV	209.4510, -34.2393, 15.3905
Hunter-Lab	81.4356, -9.9759, 31.9479

# Details

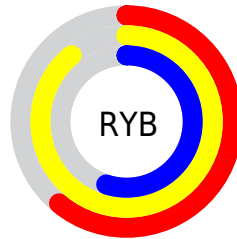
The Yxy color **66.3175, 0.3751, 0.4114** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.9111, 0.2449, 0.2302**, and the grayscale version is **64.2866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **34.0636, 0.3884, 0.4298** is the 20% darker color. If you saturate the color by 10%, you get **64.0150, 0.3918, 0.4316**, and if you desaturate by 10%, it is **68.8002, 0.3581, 0.3899**.

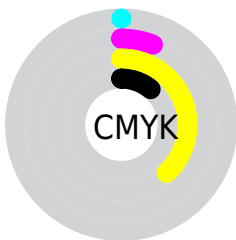
# Distribution



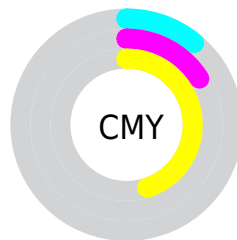
- Red (89%)
- Green (84%)
- Blue (55%)



- Red (61%)
- Yellow (89%)
- Blue (55%)



- Cyan (0%)
- Magenta (6%)
- Yellow (38%)
- Black (11%)




- Cyan (11%)
- Magenta (16%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3175, 0.3751, 0.4114 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 66.3175, 0.3751, 0.4114 by changing the saturation by 10% instead.





 66.3175, 0.3751,  
0.4114

 66.3175, 0.3751,  
0.4114


447.5115, 0.3466,  
0.3728


 48.5302, 0.3813,  
0.4201


 113.9419, 0.3654,  
0.3980

 34.2469, 0.3888,  
0.4308

 144.5478, 0.3616,  
0.3928

 23.0834, 0.3978,  
0.4441


 180.1953, 0.3583,  
0.3883

 14.6551, 0.4088,  
0.4609

221.2689, 0.3554,  
0.3844

 8.5777, 0.4219,  
0.4822

268.1529, 0.3528,  
0.3810

 4.4668, 0.4422,  
0.5158

321.2318, 0.3505,

 1.9379, 0.4532,

0.3779

0.5468

380.8898, 0.3485,  
0.3752

■ 0.5710, 0.4097,  
0.5903

■ 0.0000, 0.0000,  
0.0000

■ 66.3175, 0.3751,  
0.4114

■ 66.3175, 0.3751,  
0.4114

■ 64.0150, 0.3918,  
0.4316

■ 68.8002, 0.3581,  
0.3899

■ 61.8748, 0.4074,  
0.4494


■ 71.4619, 0.3414,  
0.3680

■ 59.8902, 0.4214,  
0.4639

■ 74.3133, 0.3254,  
0.3464


■ 58.0502, 0.4330,  
0.4743


■ 77.3613, 0.3103,  
0.3256

 56.3418, 0.4419,  
0.4802

 80.6124, 0.2963,  
0.3060

 54.7463, 0.4480,  
0.4817

 82.6311, 0.2955,  
0.3080

 54.4886, 0.4489,  
0.4818

 84.5907, 0.2955,  
0.3115

 86.5876, 0.2956,  
0.3150

 88.6222, 0.2957,  
0.3185

# Harmonies

## Analogous

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



66.3175, 0.4035, 0.3864



66.3175, 0.3751, 0.4114



66.3175, 0.3310, 0.4136

# Triad

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



66.3175, 0.3751, 0.4114



66.3175, 0.2272, 0.2961



66.3175, 0.3373, 0.2796

# Complementary

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



66.3175, 0.3751, 0.4114



33.9111, 0.2449, 0.2302

# 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.



66.3175, 0.2888, 0.2582



66.3175, 0.3751, 0.4114



66.3175, 0.2284, 0.2648

# Square

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



66.3175, 0.3751, 0.4114



66.3175, 0.2467, 0.3416



66.3175, 0.2499, 0.2524



66.3175, 0.3817, 0.3122



# Rectangle

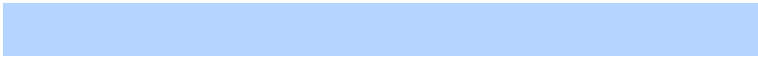
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.3175, 0.3751, 0.4114



66.3175, 0.2992, 0.3990



66.3175, 0.2499, 0.2524



66.3175, 0.3208, 0.2710

# Sweetspot

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



66.3205, 0.3751, 0.4114



95.2937, 0.3313, 0.3544



37.3884, 0.3931, 0.3139



20.2919, 0.3334, 0.3573



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.



66.3205, 0.3751, 0.4114



83.9033, 0.3884, 0.4276



68.6628, 0.3468, 0.4320



16.4299, 0.3271, 0.3488



31.9033, 0.4484, 0.4822



2.4579, 0.4435, 0.4861



# Inverse Universe

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



33.9111, 0.2449, 0.2302



36.1308, 0.2289, 0.2055



32.8947, 0.2666, 0.2197



14.2338, 0.2980, 0.3084



4.0064, 0.1535, 0.0726

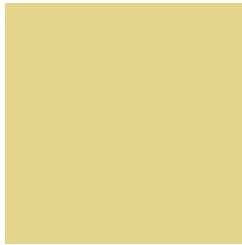


0.4049, 0.1597, 0.0950



# Previews

## White Background



This preview shows how the Yxy color 66.3175, 0.3751, 0.4114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

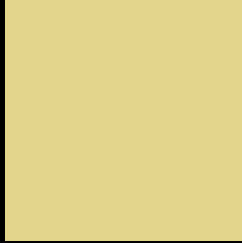
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3175, 0.3751, 0.4114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

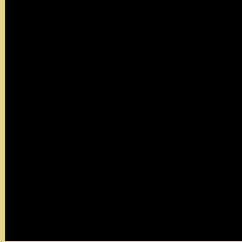
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.3175, 0.3751, 0.4114**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3175, 0.3751, 0.4114.



This preview shows how white text looks on a background with the Yxy color 66.3175, 0.3751, 0.4114.

# 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

66.3175, 0.3751, 0.4114

### Protanopia

66.4415, 0.3794, 0.4105

### Deuteranopia

65.9249, 0.4013, 0.3920



## Tritanopia

66.1859, 0.3258, 0.3120

# Trichromacy



## Original Color

66.3175, 0.3751, 0.4114

## Protanomaly

66.2756, 0.3786, 0.4107

## Deuteranomaly

65.9612, 0.3920, 0.3991

## Tritanomaly

66.1970, 0.3444, 0.3477

# Monochromacy



## Original Color

66.3175, 0.3751, 0.4114

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.6482, 0.3356, 0.3600

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3175, 0.3751, 0.4114 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(227, 214, 140)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 140)  
}
```

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(227, 214, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3175, 0.3751, 0.4114 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(227, 214, 140) }
```

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

```
.border{ border-color:rgb(227, 214, 140) }
```

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

Here you see how a box with a 4 pixel rgb(227, 214, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 140);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3175, 0.3751, 0.4114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 140) }
```

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

```
.background{ background-color: rgb(227,  
214, 140) }
```

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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