

# Converting Colors

Yxy(74.9681, 0.3383, 0.3644)

Have a look what the booklet for  
Yxy(74.9681, 0.3383, 0.3644)  
contains.

<b>Yxy(75.2319, 0.3382, 0.3647)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(75.2319, 0.3382, 0.3647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E2C1
RGB	231, 226, 193
RGB Percent	91%, 89%, 76%
CMY	0.0943, 0.1136, 0.2432
CMYK	0.00, 0.02, 0.16, 0.09
HSL	52°, 44%, 83%
HSV	52°, 16%, 91%
XYZ	69.7654, 75.2319, 61.2871
YIQ	223.7330, 13.5730, -9.2030

# Conversions

## Conversions Part 2

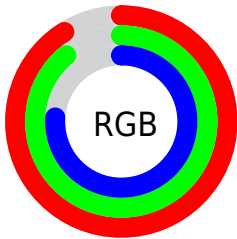
Format	Color
R <sub>Y</sub> B	199, 231, 193
Decimal	15196865
CIE Lab	89.50, -3.72, 16.77
CIE LCh	90, 17.174, 102.508
Yxy	75.2319, 0.3382, 0.3647
Android (android.graphics.Color)	4293386945 (0xFFE7E2C1)
YUV	223.7330, -15.1514, 6.3732
Hunter-Lab	86.7363, -8.2141, 18.8217

# Details

The Yxy color **75.2319, 0.3382, 0.3647** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.4562, 0.2862, 0.2906**, and the grayscale version is **74.4411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **40.1039, 0.3441, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **72.6644, 0.3546, 0.3871**, and if you desaturate by 10%, it is **77.9957, 0.3224, 0.3427**.

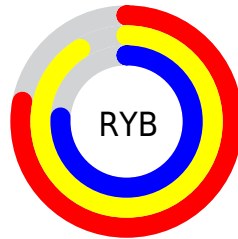
# Distribution



Red (91%)

Green (89%)

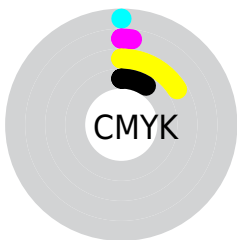
Blue (76%)



Red (78%)

Yellow (91%)

Blue (76%)

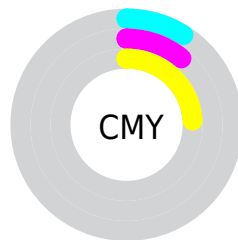


Cyan (0%)

Magenta (2%)

Yellow (16%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2319, 0.3382, 0.3647 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 75.2319, 0.3382, 0.3647 by changing the saturation by 10% instead.



■ 75.2319, 0.3382,  
0.3647

■ 75.2319, 0.3382,  
0.3647

478.7143, 0.3266,  
0.3482

■ 55.8029, 0.3408,  
0.3685

■ 126.6406, 0.3342,  
0.3590

■ 40.0449, 0.3440,  
0.3731

159.3890, 0.3326,  
0.3567

■ 27.5736, 0.3481,  
0.3790

197.3461, 0.3313,  
0.3548

■ 18.0045, 0.3532,  
0.3867

240.8961, 0.3301,  
0.3531

■ 10.9532, 0.3602,  
0.3972

290.4236, 0.3290,  
0.3517

■ 6.0354, 0.3698,  
0.4121

346.3128, 0.3281,

■ 2.8666, 0.3839,

0.3504

0.4349

408.9483, 0.3273,  
0.3492

■ 1.0625, 0.4616,  
0.5384

■ 0.0000, 0.0000,  
0.0000

■ 75.2319, 0.3382,  
0.3647

■ 75.2319, 0.3382,  
0.3647

■ 72.6644, 0.3546,  
0.3871

■ 77.9957, 0.3224,  
0.3427

■ 70.2755, 0.3713,  
0.4091

■ 80.9528, 0.3075,  
0.3216

■ 68.0604, 0.3877,  
0.4299

■ 83.6360, 0.2980,  
0.3088

■ 66.0102, 0.4031,  
0.4486

■ 85.3707, 0.2980,  
0.3119

64.1150, 0.4169,  
0.4640

87.1345, 0.2980,  
0.3149

62.3638, 0.4283,  
0.4755

88.9277, 0.2981,  
0.3180

60.7434, 0.4370,  
0.4824

90.7504, 0.2981,  
0.3210

59.2377, 0.4429,  
0.4849

92.6026, 0.2981,  
0.3240

58.7198, 0.4446,  
0.4852

94.4846, 0.2981,  
0.3270

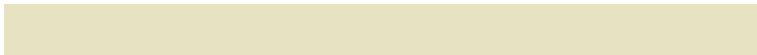
# Harmonies

## Analogous

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



75.2319, 0.3507, 0.3567



75.2319, 0.3382, 0.3647



75.2319, 0.3191, 0.3628

# Triad

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



75.2319, 0.3382, 0.3647



75.2319, 0.2743, 0.3141



75.2319, 0.3261, 0.3085

# Complementary

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



75.2319, 0.3382, 0.3647



57.4562, 0.2862, 0.2906

# Split Complementary

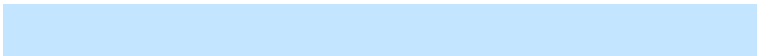
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.2319, 0.3053, 0.2978



75.2319, 0.3382, 0.3647



75.2319, 0.2759, 0.3004

# Square

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



75.2319, 0.3382, 0.3647



75.2319, 0.2825, 0.3326



75.2319, 0.2871, 0.2948



75.2319, 0.3437, 0.3244



# Rectangle

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



75.2319, 0.3382, 0.3647



75.2319, 0.3053, 0.3558



75.2319, 0.2871, 0.2948



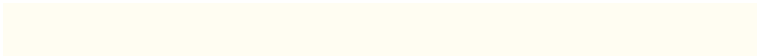
75.2319, 0.3192, 0.3043

# Sweetspot

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



75.2352, 0.3382, 0.3647



98.1525, 0.3202, 0.3397



59.1952, 0.3399, 0.3235



20.9542, 0.3213, 0.3412



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.



75.2352, 0.3382, 0.3647



92.9809, 0.3442, 0.3729



75.7351, 0.3274, 0.3711



16.4806, 0.3271, 0.3493



33.0628, 0.4442, 0.4855



2.5327, 0.4400, 0.4888



# Inverse Universe

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



57.4562, 0.2862, 0.2906



66.4633, 0.2796, 0.2809



57.1533, 0.2962, 0.2860



14.1877, 0.2980, 0.3079



3.8557, 0.1528, 0.0702

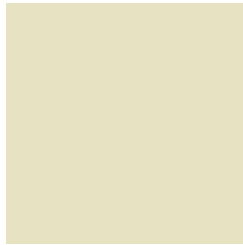


0.3830, 0.1585, 0.0907



# Previews

## White Background



This preview shows how the Yxy color 75.2319, 0.3382, 0.3647 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

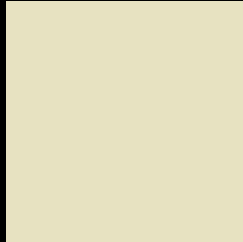
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2319, 0.3382, 0.3647 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

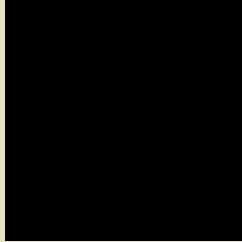
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

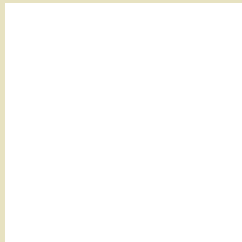
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.2319, 0.3382, 0.3647**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2319, 0.3382, 0.3647.



This preview shows how white text looks on a background with the Yxy color 75.2319, 0.3382, 0.3647.

# 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

75.2319, 0.3382, 0.3647

### Protanopia

74.9499, 0.3430, 0.3633

### Deuteranopia

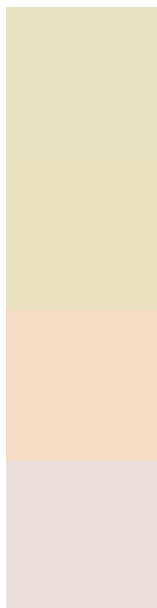
74.9169, 0.3552, 0.3496



## Tritanopia

75.3053, 0.3135, 0.3115

# Trichromacy



## Original Color

75.2319, 0.3382, 0.3647

## Protanomaly

75.1486, 0.3413, 0.3645

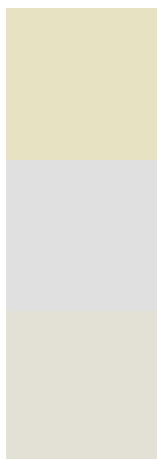
## Deuteranomaly

74.7648, 0.3485, 0.3542

## Tritanomaly

75.1252, 0.3226, 0.3301

# Monochromacy



## Original Color

75.2319, 0.3382, 0.3647

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.9854, 0.3220, 0.3419

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2319, 0.3382, 0.3647 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(231, 226, 193)` looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 193)  
}
```

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(231, 226, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2319, 0.3382, 0.3647 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(231, 226, 193) }
```

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

```
.border{ border-color:rgb(231, 226, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 226, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 226, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 226, 193); box-shadow:4px 4px 4px 4px rgb(231, 226, 193) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2319, 0.3382, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 226, 193) }
```

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

```
.background{ background-color: rgb(231,  
226, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor