

# Converting Colors

$Y_{xy}(75.9492, 0.3346, 0.3617)$

Have a look what the booklet for  
Yxy(75.9492, 0.3346, 0.3617)  
contains.

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# Color

**Yxy(75.7924, 0.3346, 0.3614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E3C5
RGB	230, 227, 197
RGB Percent	90%, 89%, 77%
CMY	0.0982, 0.1097, 0.2274
CMYK	0.00, 0.01, 0.14, 0.10
HSL	55°, 40%, 84%
HSV	55°, 14%, 90%
XYZ	70.1719, 75.7924, 63.7545
YIQ	224.4770, 11.4180, -8.6940

# Conversions

## Conversions Part 2

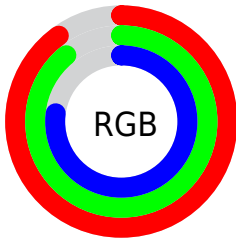
Format	Color
R <sub>Y</sub> B	200, 230, 197
Decimal	15131589
CIE Lab	89.76, -3.97, 15.03
CIE LCh	90, 15.546, 104.802
Yxy	75.7924, 0.3346, 0.3614
Android (android.graphics.Color)	4293321669 (0xFFE6E3C5)
YUV	224.4770, -13.5462, 4.8437
Hunter-Lab	87.0588, -8.4768, 17.5222

# Details

The Yxy color **75.7924, 0.3346, 0.3614** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.8680, 0.2898, 0.2944**, and the grayscale version is **74.9919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **40.4869, 0.3394, 0.3698** is the 20% darker color. If you saturate the color by 10%, you get **73.7017, 0.3506, 0.3846**, and if you desaturate by 10%, it is **78.0641, 0.3192, 0.3386**.

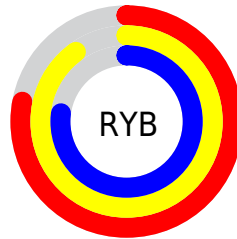
# Distribution



Red (90%)

Green (89%)

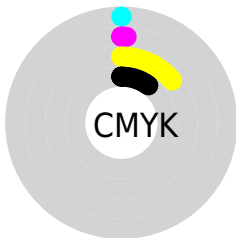
Blue (77%)



Red (78%)

Yellow (90%)

Blue (77%)

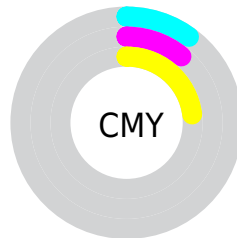


Cyan (0%)

Magenta (1%)

Yellow (14%)

Black (10%)



Cyan (10%)

Magenta (11%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7924, 0.3346, 0.3614 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 75.7924, 0.3346, 0.3614 by changing the saturation by 10% instead.



■ 75.7924, 0.3346,  
0.3614

■ 75.7924, 0.3346,  
0.3614

480.6367, 0.3246,  
0.3464

■ 56.2623, 0.3368,  
0.3648

127.4334, 0.3312,  
0.3562

■ 40.4133, 0.3396,  
0.3691

160.3131, 0.3298,  
0.3542

■ 27.8609, 0.3431,  
0.3744

198.4114, 0.3287,  
0.3524

■ 18.2208, 0.3475,  
0.3814

242.1128, 0.3276,  
0.3509

■ 11.1086, 0.3535,  
0.3909

291.8017, 0.3267,  
0.3496

■ 6.1400, 0.3618,  
0.4046


347.8623, 0.3260,


■ 2.9304, 0.3740,

0.3484

0.4256


410.6792, 0.3252,  
0.3473


 1.0955, 0.4332,  
0.5084

 0.0000, 0.0000,  
0.0000


 75.7924, 0.3346,  
0.3614


 75.7924, 0.3346,  
0.3614


 73.7017, 0.3506,  
0.3846


 78.0641, 0.3192,  
0.3386


 71.7745, 0.3667,  
0.4076

 80.5136, 0.3046,  
0.3168

 70.0065, 0.3824,  
0.4295

 82.4222, 0.2973,  
0.3069

 68.3890, 0.3971,  
0.4493

 83.5953, 0.2974,  
0.3090

66.9126, 0.4101,  
0.4660

84.7820, 0.2974,  
0.3111

65.5668, 0.4208,  
0.4787

85.9824, 0.2974,  
0.3132

64.3391, 0.4288,  
0.4871

87.1965, 0.2974,  
0.3153

63.2145, 0.4341,  
0.4911

88.4243, 0.2974,  
0.3174

62.6098, 0.4362,  
0.4919

89.6660, 0.2975,  
0.3195

# Harmonies

## Analogous

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



75.7924, 0.3464, 0.3549



75.7924, 0.3346, 0.3614



75.7924, 0.3171, 0.3589

# Triad

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



75.7924, 0.3346, 0.3614



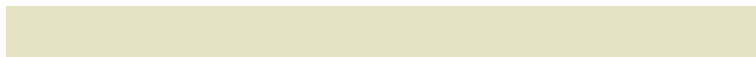
75.7924, 0.2777, 0.3144



75.7924, 0.3262, 0.3114

# Complementary

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



75.7924, 0.3346, 0.3614



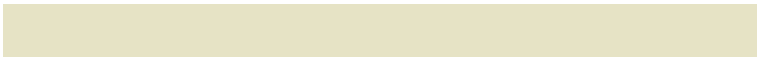
58.8680, 0.2898, 0.2944

# Split Complementary

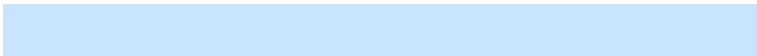
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7924, 0.3075, 0.3013



75.7924, 0.3346, 0.3614



75.7924, 0.2799, 0.3025

# Square

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



75.7924, 0.3346, 0.3614



75.7924, 0.2845, 0.3310



75.7924, 0.2906, 0.2979



75.7924, 0.3416, 0.3261



# Rectangle

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



75.7924, 0.3346, 0.3614



75.7924, 0.3047, 0.3522



75.7924, 0.2906, 0.2979



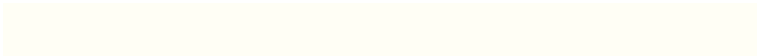
75.7924, 0.3201, 0.3074

# Sweetspot

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



75.7957, 0.3346, 0.3614



98.7795, 0.3187, 0.3379



60.9350, 0.3367, 0.3254



21.0946, 0.3198, 0.3396



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.



75.7957, 0.3346, 0.3614



95.0660, 0.3390, 0.3678



75.3239, 0.3247, 0.3655



16.5850, 0.3270, 0.3502



35.5517, 0.4359, 0.4921



2.6921, 0.4332, 0.4943



# Inverse Universe

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



58.8680, 0.2898, 0.2944



70.0356, 0.2849, 0.2870



59.3740, 0.2994, 0.2920



14.0934, 0.2980, 0.3069



3.6042, 0.1517, 0.0661

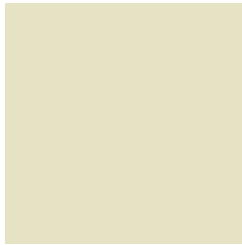


0.3381, 0.1560, 0.0815



# Previews

## White Background



This preview shows how the Yxy color 75.7924, 0.3346, 0.3614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

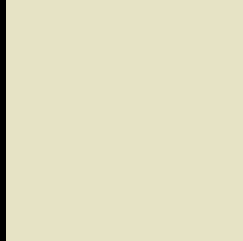
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7924, 0.3346, 0.3614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

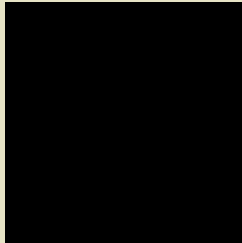
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

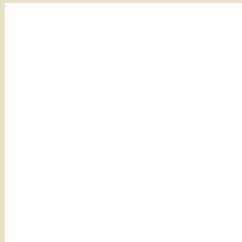
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.7924, 0.3346, 0.3614**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7924, 0.3346, 0.3614.

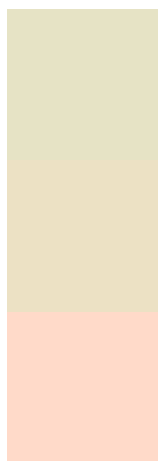


This preview shows how white text looks on a background with the Yxy color 75.7924, 0.3346, 0.3614.

# 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

75.7924, 0.3346, 0.3614

### Protanopia

75.6688, 0.3400, 0.3600

### Deuteranopia

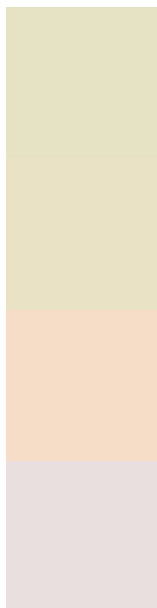
75.6199, 0.3521, 0.3464



## Tritanopia

75.7188, 0.3121, 0.3115

# Trichromacy



## Original Color

75.7924, 0.3346, 0.3614

## Protanomaly

75.8707, 0.3384, 0.3611

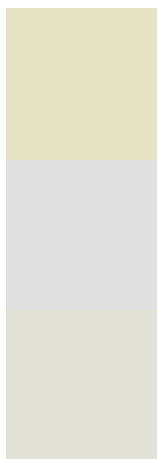
## Deuteranomaly

75.4759, 0.3454, 0.3510

## Tritanomaly

75.5955, 0.3205, 0.3290

# Monochromacy



## Original Color

75.7924, 0.3346, 0.3614

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.8742, 0.3206, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7924, 0.3346, 0.3614 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, 227, 197)` looks like.

```
.text, #text, p{  
    color:rgb(230, 227, 197)  
}
```

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, 227, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 227, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7924, 0.3346, 0.3614 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, 227, 197) }
```

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

```
.border{ border-color:rgb(230, 227, 197) }
```

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

Here you see how a box with a 4 pixel rgb(230, 227, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 227, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 227, 197);  
box-shadow:4px 4px 4px 4px rgb(230, 227,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7924, 0.3346, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 227, 197) }
```

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

```
.background{ background-color: rgb(230,  
227, 197) }
```

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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