

# Converting Colors

$Yxy(75.4093, 0.3276, 0.3472)$

Have a look what the booklet for  
Yxy(75.4093, 0.3276, 0.3472)  
contains.

<b>Yxy(75.2275, 0.3275, 0.3473)</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(75.2275, 0.3275, 0.3473)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E1D0
RGB	230, 225, 208
RGB Percent	90%, 88%, 82%
CMY	0.0981, 0.1176, 0.1844
CMYK	0.00, 0.02, 0.10, 0.10
HSL	46°, 31%, 86%
HSV	46°, 10%, 90%
XYZ	70.9387, 75.2275, 70.4405
YIQ	224.5570, 8.4370, -4.2270

# Conversions

## Conversions Part 2

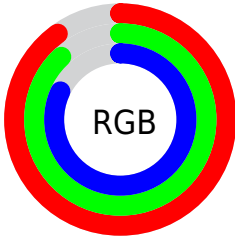
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 230, 208
Decimal	15131088
CIE Lab	89.50, -1.20, 8.92
CIE LCh	89, 9.000, 97.638
Yxy	75.2275, 0.3275, 0.3473
Android (android.graphics.Color)	4293321168 (0xFFE6E1D0)
YUV	224.5570, -8.1626, 4.7735
Hunter-Lab	86.7338, -5.7908, 12.5615

# Details

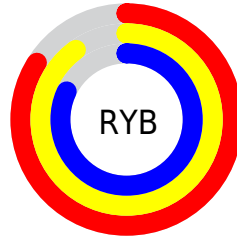
The Yxy color  $75.2275, 0.3275, 0.3473$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $66.6864, 0.2979, 0.3100$ , and the grayscale version is  $75.0157, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $40.0812, 0.3302, 0.3514$  is the 20% darker color. If you saturate the color by 10%, you get  $71.4091, 0.3441, 0.3672$ , and if you desaturate by 10%, it is  $79.3023, 0.3121, 0.3282$ .

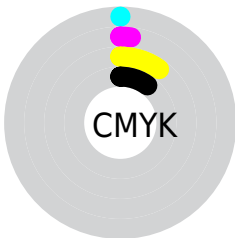
# Distribution



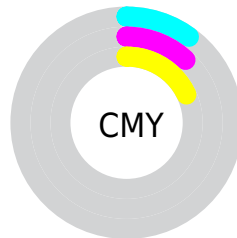
- Red (90%)
- Green (88%)
- Blue (82%)



- Red (84%)
- Yellow (90%)
- Blue (82%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (10%)



- Cyan (10%)
- Magenta (12%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2275, 0.3275, 0.3473 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 75.2275, 0.3275, 0.3473 by changing the saturation by 10% instead.



■ 75.2275, 0.3275,  
0.3473

■ 75.2275, 0.3275,  
0.3473

478.6992, 0.3207,  
0.3389

■ 55.7993, 0.3290,  
0.3492

126.6343, 0.3252,  
0.3444

■ 40.0420, 0.3309,  
0.3516

159.3818, 0.3242,  
0.3432

■ 27.5713, 0.3333,  
0.3546

197.3377, 0.3234,  
0.3423

■ 18.0028, 0.3365,  
0.3585

240.8866, 0.3228,  
0.3414

■ 10.9520, 0.3407,  
0.3639

290.4128, 0.3222,  
0.3406

■ 6.0345, 0.3468,  
0.3716

346.3007, 0.3216,

■ 2.8661, 0.3561,

0.3400

0.3836

408.9347, 0.3211,  
0.3394

1.0622, 0.3815,  
0.4148

0.0000, 0.0000,  
0.0000

75.2275, 0.3275,  
0.3473

75.2275, 0.3275,  
0.3473

71.4091, 0.3441,  
0.3672

79.3023, 0.3121,  
0.3282

67.8295, 0.3618,  
0.3874

83.6311, 0.2980,  
0.3102

64.4837, 0.3801,  
0.4072

86.7269, 0.2974,  
0.3145

61.3628, 0.3984,  
0.4258

89.8448, 0.2975,  
0.3198

■ 58.4570, 0.4162,  
0.4421

■ 93.0514, 0.2975,  
0.3250

■ 55.7555, 0.4325,  
0.4552

■ 95.5615, 0.2976,  
0.3290

■ 53.2463, 0.4466,  
0.4640

■ 50.9149, 0.4578,  
0.4680

■ 48.7385, 0.4663,  
0.4677

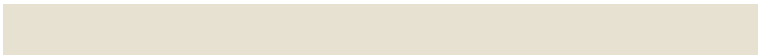
# Harmonies

## Analogous

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



75.2275, 0.3331, 0.3427



75.2275, 0.3275, 0.3473



75.2275, 0.3180, 0.3470

# Triad

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



75.2275, 0.3275, 0.3473



75.2275, 0.2927, 0.3229



75.2275, 0.3181, 0.3169

# Complementary

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



75.2275, 0.3275, 0.3473



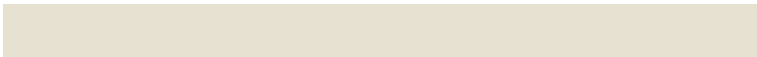
66.6864, 0.2979, 0.3100

# 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.



75.2275, 0.3072, 0.3118



75.2275, 0.3275, 0.3473



75.2275, 0.2927, 0.3150

# Square

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



75.2275, 0.3275, 0.3473



75.2275, 0.2979, 0.3327



75.2275, 0.2980, 0.3110



75.2275, 0.3276, 0.3252



# Rectangle

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



75.2275, 0.3275, 0.3473



75.2275, 0.3107, 0.3439



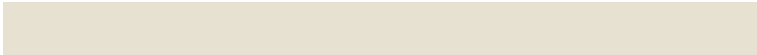
75.2275, 0.2980, 0.3110



75.2275, 0.3145, 0.3148

# Sweetspot

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



75.2308, 0.3275, 0.3473



98.4178, 0.3172, 0.3347



66.7322, 0.3258, 0.3235



20.9760, 0.3185, 0.3362



0.0000, 0.0000, 0.0000

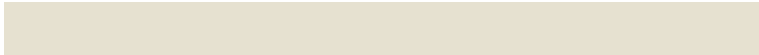


21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2308, 0.3275, 0.3473



94.3413, 0.3299, 0.3502



77.0080, 0.3228, 0.3528



16.2351, 0.3273, 0.3471



27.7357, 0.4658, 0.4684



2.1854, 0.4576, 0.4749



# Inverse Universe

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



66.6864, 0.2979, 0.3100



81.9880, 0.2954, 0.3068



65.0868, 0.3020, 0.3047



14.4134, 0.2980, 0.3103



4.7778, 0.1568, 0.0846

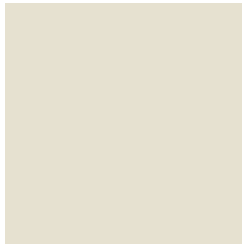


0.4909, 0.1643, 0.1115



# Previews

## White Background



This preview shows how the Yxy color 75.2275, 0.3275, 0.3473 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 75.2275, 0.3275, 0.3473 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

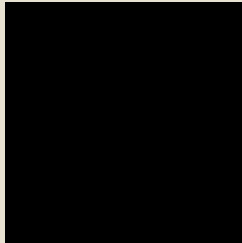
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

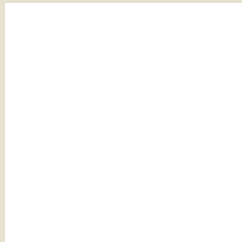
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.2275, 0.3275, 0.3473**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2275, 0.3275, 0.3473.

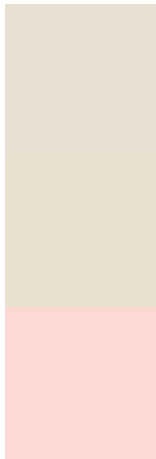


This preview shows how white text looks on a background with the Yxy color 75.2275, 0.3275, 0.3473.

# 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

75.2275, 0.3275, 0.3473

### Protanopia

75.1399, 0.3305, 0.3472

### Deuteranopia

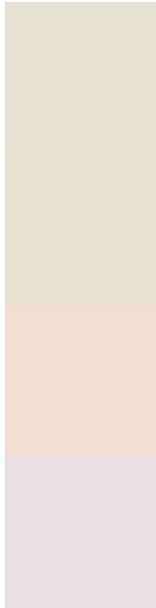
74.9743, 0.3435, 0.3362



## Tritanopia

75.3784, 0.3107, 0.3114

# Trichromacy



## Original Color

75.2275, 0.3275, 0.3473

## Protanomaly

74.9721, 0.3297, 0.3472

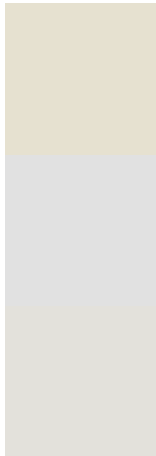
## Deuteranomaly

75.0229, 0.3377, 0.3405

## Tritanomaly

75.1122, 0.3172, 0.3238

# Monochromacy



## Original Color

75.2275, 0.3275, 0.3473

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.2958, 0.3180, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2275, 0.3275, 0.3473 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, 225, 208)` looks like.

```
.text, #text, p{  
    color:rgb(230, 225, 208)  
}
```

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, 225, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 225, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2275, 0.3275, 0.3473 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, 225, 208) }
```

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

```
.border{ border-color:rgb(230, 225, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 225, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 225, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 225, 208);  
box-shadow:4px 4px 4px 4px rgb(230, 225,  
208) }
```



# Background

The CSS property to change the background color of an element to `rgb(75.2275, 0.3275, 0.3473)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 225, 208) }
```

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

```
.background{ background-color: rgb(230,  
225, 208) }
```

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