

# Converting Colors

$Y_{xy}(76.3034, 0.3194, 0.3412)$

Have a look what the booklet for  
Yxy(76.3034, 0.3194, 0.3412)  
contains.

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# Color

**Yxy(76.0648, 0.3191, 0.3408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E3D8
RGB	226, 227, 216
RGB Percent	89%, 89%, 85%
CMY	0.1139, 0.1097, 0.1529
CMYK	0.00, 0.00, 0.05, 0.11
HSL	66°, 16%, 87%
HSV	66°, 5%, 89%
XYZ	71.2215, 76.0648, 75.9086
YIQ	225.4470, 2.9350, -3.6330

# Conversions

## Conversions Part 2

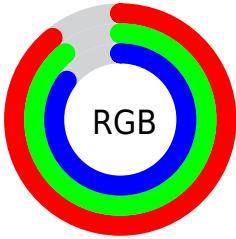
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 227, 217
Decimal	14869464
CIE Lab	89.89, -2.28, 5.23
CIE LCh	90, 5.702, 113.520
Yxy	76.0648, 0.3191, 0.3408
Android (android.graphics.Color)	4293059544 (0xFFE2E3D8)
YUV	225.4470, -4.6574, 0.4850
Hunter-Lab	87.2151, -6.8601, 9.4470

# Details

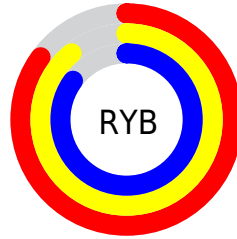
The Yxy color **76.0648, 0.3191, 0.3408** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4334, 0.3062, 0.3170**, and the grayscale version is **75.6655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7362, 0.3211, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **74.6254, 0.3326, 0.3660**, and if you desaturate by 10%, it is **77.6775, 0.3061, 0.3168**.

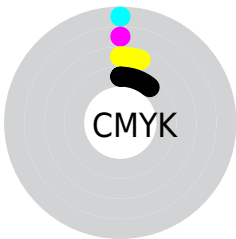
# Distribution



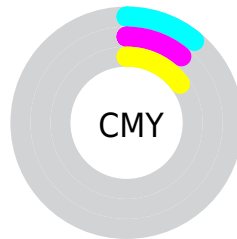
- Red (89%)
- Green (89%)
- Blue (85%)



- Red (85%)
- Yellow (89%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0648, 0.3191, 0.3408 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 76.0648, 0.3191, 0.3408 by changing the saturation by 10% instead.



■ 76.0648, 0.3191,  
0.3408

■ 76.0648, 0.3191,  
0.3408

481.5695, 0.3162,  
0.3354

■ 56.4856, 0.3198,  
0.3420

127.8185, 0.3181,  
0.3389

■ 40.5924, 0.3206,  
0.3436

160.7618, 0.3177,  
0.3382

■ 28.0008, 0.3216,  
0.3455

198.9287, 0.3174,  
0.3375

■ 18.3262, 0.3229,  
0.3481

242.7034, 0.3171,  
0.3370

■ 11.1845, 0.3247,  
0.3515

292.4705, 0.3168,  
0.3365

■ 6.1910, 0.3273,  
0.3565

348.6143, 0.3166,

■ 2.9616, 0.3312,

0.3361

0.3643

411.5191, 0.3164,  
0.3357

1.1117, 0.3388,  
0.3792

0.0000, 0.0000,  
0.0000

76.0648, 0.3191,  
0.3408

76.0648, 0.3191,  
0.3408

74.6254, 0.3326,  
0.3660

77.6775, 0.3061,  
0.3168

73.3427, 0.3461,  
0.3917


79.0389, 0.2975,  
0.3005


72.2130, 0.3593,  
0.4174

79.4005, 0.2989,  
0.3006

71.2287, 0.3716,  
0.4419


79.7666, 0.3004,  
0.3007


 70.3813, 0.3824,  
0.4643


 80.1371, 0.3018,  
0.3009


 69.6618, 0.3912,  
0.4837

 80.5122, 0.3032,  
0.3010

 69.0599, 0.3975,  
0.4990

 80.8919, 0.3047,  
0.3011

 68.5636, 0.4013,  
0.5099

 81.2760, 0.3061,  
0.3012

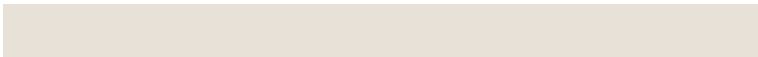
 68.1582, 0.4025,  
0.5165

 81.6648, 0.3076,  
0.3014

# Harmonies

## Analogous

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



76.0648, 0.3241, 0.3395



76.0648, 0.3191, 0.3408



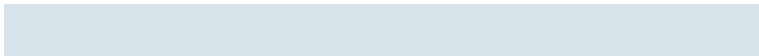
76.0648, 0.3124, 0.3388

# Triad

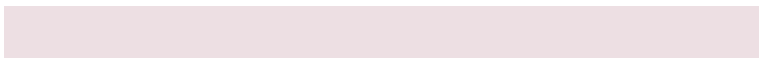
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0648, 0.3191, 0.3408



76.0648, 0.2996, 0.3223



76.0648, 0.3195, 0.3240

# Complementary

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



76.0648, 0.3191, 0.3408



69.4334, 0.3062, 0.3170

# 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.



76.0648, 0.3129, 0.3195



76.0648, 0.3191, 0.3408



76.0648, 0.3014, 0.3185

# Square

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



76.0648, 0.3191, 0.3408



76.0648, 0.3012, 0.3281



76.0648, 0.3063, 0.3175



76.0648, 0.3244, 0.3298

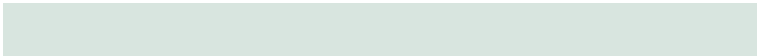


# Rectangle

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



76.0648, 0.3191, 0.3408



76.0648, 0.3079, 0.3359



76.0648, 0.3063, 0.3175



76.0648, 0.3174, 0.3223

# Sweetspot

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



76.0681, 0.3191, 0.3408



99.7907, 0.3140, 0.3314



70.8866, 0.3207, 0.3300



21.3615, 0.3140, 0.3313



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.



76.0681, 0.3191, 0.3408



98.7773, 0.3207, 0.3438



75.2150, 0.3153, 0.3409



16.8364, 0.3215, 0.3452



39.6641, 0.4027, 0.5184



2.9515, 0.4053, 0.5164



# Inverse Universe

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



69.4334, 0.3062, 0.3170



88.0929, 0.3045, 0.3139



70.2688, 0.3100, 0.3171



14.8446, 0.3036, 0.3124



3.3541, 0.1533, 0.0618

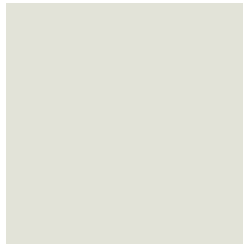


0.2704, 0.1615, 0.0663



# Previews

## White Background



This preview shows how the Yxy color 76.0648, 0.3191, 0.3408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

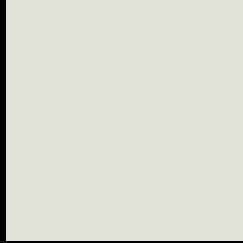
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0648, 0.3191, 0.3408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

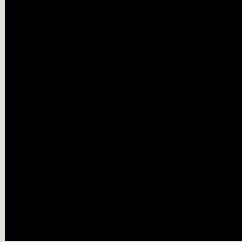
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

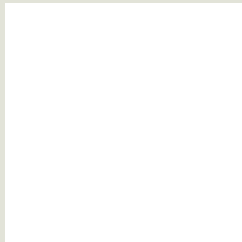
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.0648, 0.3191, 0.3408**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0648, 0.3191, 0.3408.

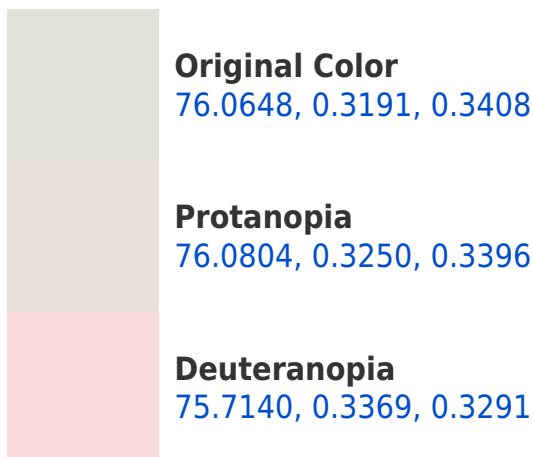


This preview shows how white text looks on a background with the Yxy color 76.0648, 0.3191, 0.3408.

# 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

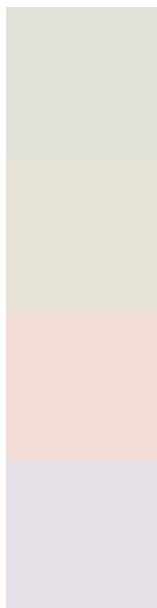




## Tritanopia

75.9492, 0.3060, 0.3103

# Trichromacy



## Original Color

76.0648, 0.3191, 0.3408

## Protanomaly

76.1220, 0.3227, 0.3407

## Deuteranomaly

75.5999, 0.3306, 0.3332

## Tritanomaly

75.7955, 0.3110, 0.3206

# Monochromacy



## Original Color

76.0648, 0.3191, 0.3408

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.6742, 0.3146, 0.3333

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0648, 0.3191, 0.3408 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(226, 227, 216)` looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 216)  
}
```

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(226, 227, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0648, 0.3191, 0.3408 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(226, 227, 216) }
```

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

```
.border{ border-color:rgb(226, 227, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 227, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0648, 0.3191, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 216) }
```

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

```
.background{ background-color: rgb(226,  
227, 216) }
```

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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