

Converting Colors

$Yxy(76.3034, 0.3237, 0.3415)$

Have a look what the booklet for
Yxy(76.3034, 0.3237, 0.3415)
contains.

Yxy(76.2367, 0.3241, 0.3418)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.2367, 0.3241, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	E7E2D6
RGB	231, 226, 214
RGB Percent	91%, 89%, 84%
CMY	0.0941, 0.1137, 0.1608
CMYK	0.00, 0.02, 0.07, 0.09
HSL	42°, 26%, 87%
HSV	42°, 7%, 91%
XYZ	72.2888, 76.2367, 74.5193
YIQ	226.1270, 6.8320, -2.6720

Conversions

Conversions Part 2

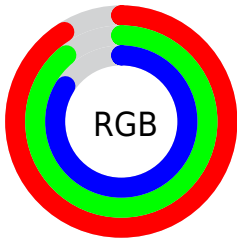
Format	Color
R _Y B	221, 231, 214
Decimal	15196886
CIE Lab	89.97, -0.36, 6.45
CIE LCh	90, 6.464, 93.206
Yxy	76.2367, 0.3241, 0.3418
Android (android.graphics.Color)	4293386966 (0xFFE7E2D6)
YUV	226.1270, -5.9786, 4.2736
Hunter-Lab	87.3136, -5.0149, 10.5175

Details

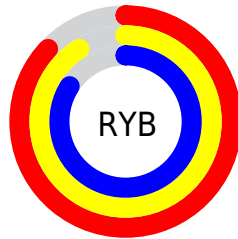
The Yxy color **76.2367, 0.3241, 0.3418** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.7245, 0.3014, 0.3159**, and the grayscale version is **76.1923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7430, 0.3266, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **71.5232, 0.3409, 0.3599**, and if you desaturate by 10%, it is **81.2704, 0.3088, 0.3245**.

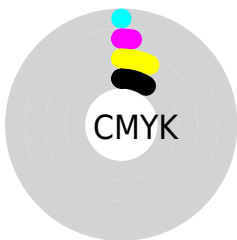
Distribution



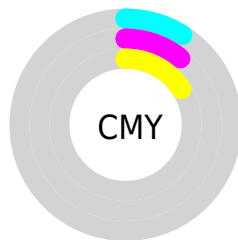
- Red (91%)
- Green (89%)
- Blue (84%)



- Red (87%)
- Yellow (91%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2367, 0.3241, 0.3418 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 76.2367, 0.3241, 0.3418 by changing the saturation by 10% instead.

■ 76.2367, 0.3241,
0.3418

■ 76.2367, 0.3241,
0.3418

482.1576, 0.3189,
0.3359

■ 56.6266, 0.3253,
0.3431

128.0614, 0.3223,
0.3398

■ 40.7055, 0.3267,
0.3448

161.0449, 0.3216,
0.3390

■ 28.0891, 0.3286,
0.3469

199.2549, 0.3210,
0.3383

■ 18.3928, 0.3310,
0.3496

243.0759, 0.3205,
0.3377

■ 11.2324, 0.3342,
0.3533

292.8923, 0.3200,
0.3372

■ 6.2234, 0.3389,
0.3585

349.0884, 0.3196,

■ 2.9814, 0.3461,

0.3367

412.0487, 0.3192,
0.3363

0.3667

1.1220, 0.3606,
0.3831

0.0000, 0.0000,
0.0000

76.2367, 0.3241,
0.3418

76.2367, 0.3241,
0.3418

71.5232, 0.3409,
0.3599

81.2704, 0.3088,
0.3245

67.1112, 0.3590,
0.3785

86.2833, 0.2981,
0.3135

62.9949, 0.3783,
0.3970

90.3457, 0.2981,
0.3203

59.1645, 0.3983,
0.4146

94.5590, 0.2981,
0.3271

■ 55.6092, 0.4183,
0.4303

■ 95.7295, 0.2982,
0.3290

■ 52.3176, 0.4374,
0.4431

■ 49.2767, 0.4548,
0.4518

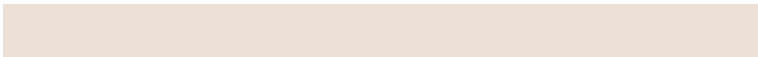
■ 46.4714, 0.4695,
0.4557

■ 43.8827, 0.4811,
0.4547

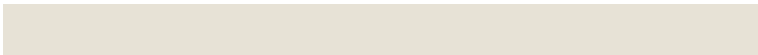
Harmonies

Analogous

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



76.2367, 0.3275, 0.3381



76.2367, 0.3241, 0.3418



76.2367, 0.3176, 0.3421

Triad

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



76.2367, 0.3241, 0.3418



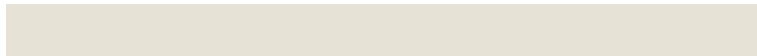
76.2367, 0.2987, 0.3257



76.2367, 0.3154, 0.3196

Complementary

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



76.2367, 0.3241, 0.3418



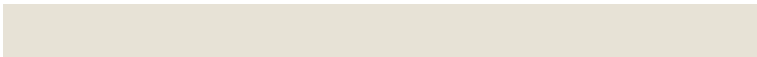
70.7245, 0.3014, 0.3159

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.



76.2367, 0.3077, 0.3163



76.2367, 0.3241, 0.3418



76.2367, 0.2981, 0.3197

Square

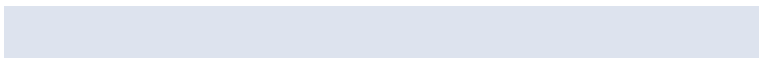
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2367, 0.3241, 0.3418



76.2367, 0.3030, 0.3327



76.2367, 0.3014, 0.3163



76.2367, 0.3225, 0.3253

Rectangle

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



76.2367, 0.3241, 0.3418



76.2367, 0.3125, 0.3402



76.2367, 0.3014, 0.3163



76.2367, 0.3128, 0.3182

Sweetspot

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



76.2400, 0.3241, 0.3418



98.7234, 0.3157, 0.3324



70.1999, 0.3217, 0.3236



21.1443, 0.3156, 0.3323



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.



76.2400, 0.3241, 0.3418



94.3816, 0.3268, 0.3448



78.4373, 0.3212, 0.3471



16.0643, 0.3275, 0.3455



24.4587, 0.4826, 0.4550



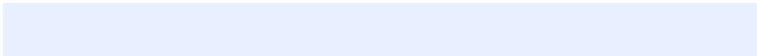
1.9664, 0.4712, 0.4641

Inverse Universe

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



70.7245, 0.3014, 0.3159



85.9964, 0.2987, 0.3127



68.6731, 0.3038, 0.3105



14.5738, 0.2981, 0.3119



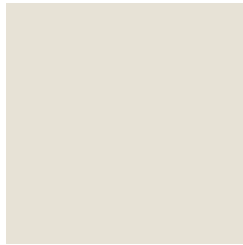
5.7308, 0.1608, 0.0987



0.5803, 0.1688, 0.1275

Previews

White Background



This preview shows how the Yxy color 76.2367, 0.3241, 0.3418 looks on a white background.

Color Contrast Check

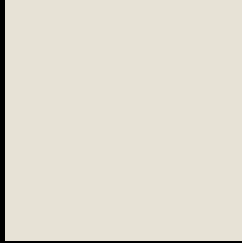
Large Text (above 18pt) WCAG AA × Fail

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 76.2367, 0.3241, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

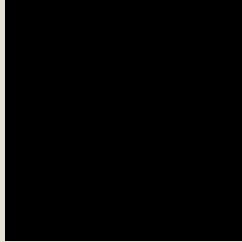
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

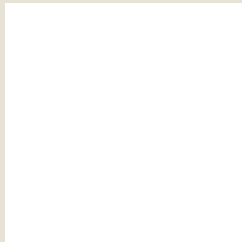
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.2367, 0.3241, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 76.2367, 0.3241, 0.3418.

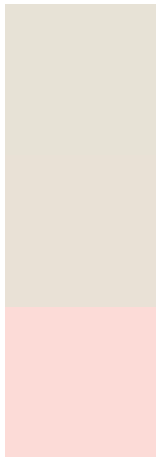


This preview shows how white text looks on a background with the Yxy color 76.2367, 0.3241, 0.3418.

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

76.2367, 0.3241, 0.3418

Protanopia

76.0291, 0.3256, 0.3407

Deuteranopia

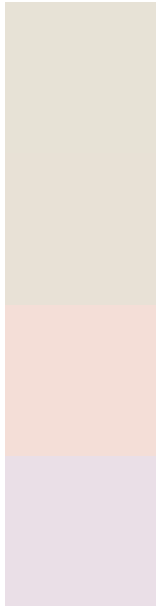
76.2648, 0.3396, 0.3332



Tritanopia

76.1960, 0.3101, 0.3104

Trichromacy



Original Color

76.2367, 0.3241, 0.3418

Protanomaly

75.8613, 0.3249, 0.3407

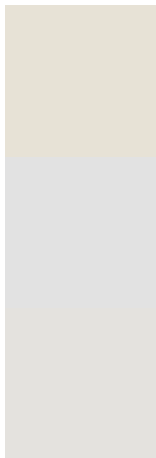
Deuteranomaly

76.3819, 0.3333, 0.3363

Tritanomaly

76.0373, 0.3152, 0.3207

Monochromacy



Original Color

76.2367, 0.3241, 0.3418

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.1606, 0.3167, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2367, 0.3241, 0.3418 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 214) }
```

Border

The CSS property to change the border of an element to Yxy 76.2367, 0.3241, 0.3418 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, 214) }
```

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

```
.border{ border-color:rgb(231, 226, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 226, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 226, 214);  
box-shadow:4px 4px 4px 4px rgb(231, 226,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2367, 0.3241, 0.3418 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, 214) }
```

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

```
.background{ background-color: rgb(231,  
226, 214) }
```

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