

# Converting Colors

$Yxy(78.5452, 0.3281, 0.3538)$

Have a look what the booklet for  
Yxy(78.5452, 0.3281, 0.3538)  
contains.

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# Color

**Yxy(78.6457, 0.3282, 0.3546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E7CF
RGB	231, 231, 207
RGB Percent	91%, 91%, 81%
CMY	0.0941, 0.0941, 0.1884
CMYK	0.00, 0.00, 0.10, 0.09
HSL	60°, 33%, 86%
HSV	60°, 10%, 91%
XYZ	72.7905, 78.6457, 70.3509
YIQ	228.2640, 7.7040, -7.4640

# Conversions

## Conversions Part 2

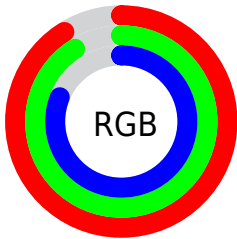
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 231, 207
Decimal	15198159
CIE <sub>Lab</sub>	91.07, -4.07, 11.71
CIE <sub>LCh</sub>	91, 12.395, 109.166
Yxy	78.6457, 0.3282, 0.3546
Android (android.graphics.Color)	4293388239 (0xFFE7E7CF)
YUV	228.2640, -10.4832, 2.3995
Hunter-Lab	88.6824, -8.6814, 15.0435

# Details

The Yxy color **78.6457, 0.3282, 0.3546** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **63.6388, 0.2964, 0.3020**, and the grayscale version is **77.8610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0738, 0.3311, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **77.6003, 0.3434, 0.3798**, and if you desaturate by 10%, it is **79.8632, 0.3133, 0.3300**.

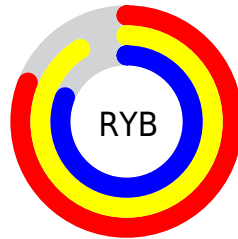
# Distribution



Red (91%)

Green (91%)

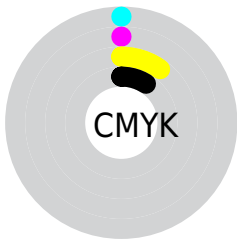
Blue (81%)



Red (81%)

Yellow (91%)

Blue (81%)

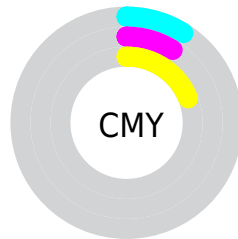


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6457, 0.3282, 0.3546 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 78.6457, 0.3282, 0.3546 by changing the saturation by 10% instead.



■ 78.6457, 0.3282,  
0.3546

■ 78.6457, 0.3282,  
0.3546

490.3569, 0.3212,  
0.3428

■ 58.6046, 0.3298,  
0.3573

131.4600, 0.3258,  
0.3505

■ 42.2949, 0.3317,  
0.3606

165.0019, 0.3248,  
0.3489

■ 29.3323, 0.3341,  
0.3647

203.8128, 0.3240,  
0.3476

■ 19.3323, 0.3372,  
0.3702

248.2772, 0.3233,  
0.3464

■ 11.9106, 0.3413,  
0.3775

298.7794, 0.3227,  
0.3453

■ 6.6829, 0.3471,  
0.3881

355.7038, 0.3221,

■ 3.2646, 0.3557,

0.3444

0.4043

419.4349, 0.3216,  
0.3436

■ 1.2714, 0.3780,  
0.4424

■ 0.1189, 0.1030,  
0.8970

■ 78.6457, 0.3282,  
0.3546

■ 78.6457, 0.3282,  
0.3546

■ 77.6003, 0.3434,  
0.3798

■ 79.8632, 0.3133,  
0.3300

■ 76.7097, 0.3586,  
0.4048


■ 81.2494, 0.2991,  
0.3065


■ 75.9695, 0.3731,  
0.4288

■ 81.3675, 0.2980,  
0.3047

■ 75.3715, 0.3864,  
0.4508

■ 81.3680, 0.2980,  
0.3047

 74.9066, 0.3978,  
0.4697

 81.3685, 0.2980,  
0.3047


 74.5645, 0.4070,  
0.4849


 81.3691, 0.2980,  
0.3047

 74.3337, 0.4136,  
0.4958

 81.3696, 0.2980,  
0.3047

 74.2002, 0.4175,  
0.5023

 81.3701, 0.2980,  
0.3047

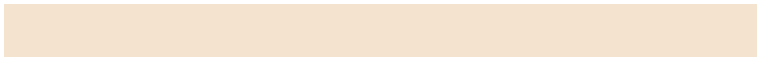
 74.1412, 0.4193,  
0.5053

 81.3707, 0.2980,  
0.3047

# Harmonies

## Analogous

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



78.6457, 0.3383, 0.3506



78.6457, 0.3282, 0.3546



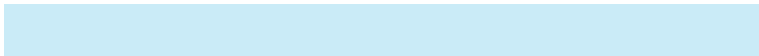
78.6457, 0.3141, 0.3515

# Triad

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



78.6457, 0.3282, 0.3546



78.6457, 0.2848, 0.3160



78.6457, 0.3254, 0.3166

# Complementary

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



78.6457, 0.3282, 0.3546



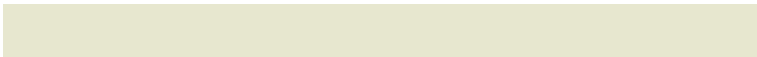
63.6388, 0.2964, 0.3020

# Split Complementary

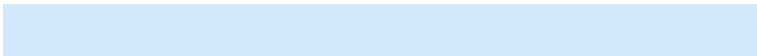
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6457, 0.3108, 0.3079



78.6457, 0.3282, 0.3546



78.6457, 0.2876, 0.3072

# Square

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



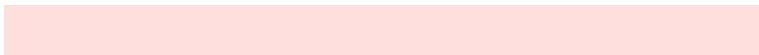
78.6457, 0.3282, 0.3546



78.6457, 0.2892, 0.3287



78.6457, 0.2970, 0.3044



78.6457, 0.3367, 0.3286



# Rectangle

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



78.6457, 0.3282, 0.3546



78.6457, 0.3044, 0.3456



78.6457, 0.2970, 0.3044



78.6457, 0.3207, 0.3132

# Sweetspot

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



78.6491, 0.3282, 0.3546



99.5168, 0.3171, 0.3363



66.1016, 0.3311, 0.3291



21.2738, 0.3183, 0.3383



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.



78.6491, 0.3282, 0.3546



98.1828, 0.3307, 0.3588



76.7173, 0.3197, 0.3553



16.8171, 0.3268, 0.3522



41.5615, 0.4193, 0.5053



3.0713, 0.4193, 0.5053



# Inverse Universe

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



63.6388, 0.2964, 0.3020



76.6585, 0.2936, 0.2974



65.4360, 0.3051, 0.3028



13.8873, 0.2980, 0.3047



3.2346, 0.1500, 0.0600

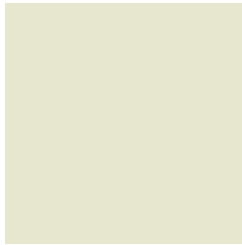


0.2391, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 78.6457, 0.3282, 0.3546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

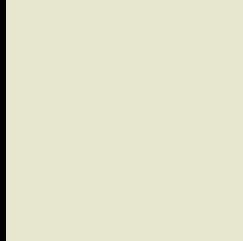
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6457, 0.3282, 0.3546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

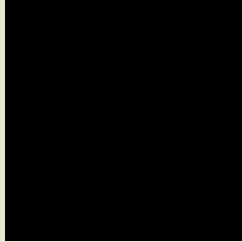
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

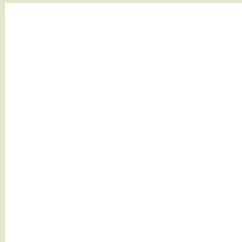
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.6457, 0.3282, 0.3546**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.6457, 0.3282, 0.3546.



This preview shows how white text looks on a background with the Yxy color 78.6457, 0.3282, 0.3546.

# 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

78.6457, 0.3282, 0.3546

### Protanopia

78.8456, 0.3348, 0.3531

### Deuteranopia

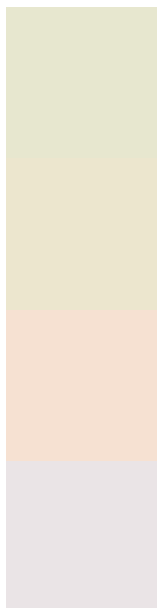
78.2560, 0.3435, 0.3392



## Tritanopia

78.6966, 0.3087, 0.3116

# Trichromacy



## Original Color

78.6457, 0.3282, 0.3546

## Protanomaly

78.8827, 0.3325, 0.3543

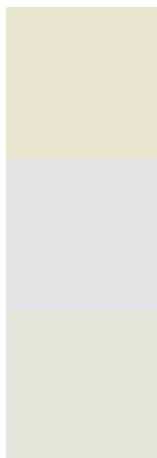
## Deuteranomaly

78.0964, 0.3378, 0.3445

## Tritanomaly

78.6924, 0.3156, 0.3269

# Monochromacy



## Original Color

78.6457, 0.3282, 0.3546

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.8639, 0.3185, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6457, 0.3282, 0.3546 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, 231, 207)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 207)  
}
```

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, 231, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6457, 0.3282, 0.3546 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, 231, 207) }
```

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

```
.border{ border-color:rgb(231, 231, 207) }
```

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

Here you see how a box with a 4 pixel rgb(231, 231, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 207);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6457, 0.3282, 0.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 207) }
```

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

```
.background{ background-color: rgb(231,  
231, 207) }
```

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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