

# Converting Colors

$Y_{xy}(76.7576, 0.3692, 0.4202)$

Have a look what the booklet for  
Yxy(76.7576, 0.3692, 0.4202)  
contains.

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# Color

**Yxy(76.5508, 0.3695, 0.4198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E792
RGB	233, 231, 146
RGB Percent	91%, 91%, 57%
CMY	0.0861, 0.0941, 0.4274
CMYK	0.00, 0.01, 0.37, 0.09
HSL	59°, 66%, 74%
HSV	59°, 37%, 91%
XYZ	67.3786, 76.5508, 38.4213
YIQ	221.9080, 28.4770, -26.0110

# Conversions

## Conversions Part 2

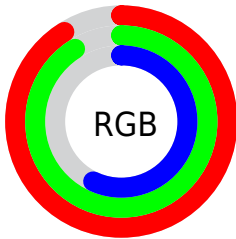
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 233, 146
Decimal	15329170
CIE <sub>Lab</sub>	90.11, -11.56, 41.63
CIE <sub>LCh</sub>	90, 43.203, 105.527
Yxy	76.5508, 0.3695, 0.4198
Android (android.graphics.Color)	4293519250 (0xFFE9E792)
YUV	221.9080, -37.4226, 9.7277
Hunter-Lab	87.4933, -15.6505, 35.2091

# Details

The Yxy color **76.5508, 0.3695, 0.4198** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.1944, 0.2446, 0.2185**, and the grayscale version is **73.2388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **41.0889, 0.3804, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **75.5951, 0.3837, 0.4422**, and if you desaturate by 10%, it is **77.6622, 0.3544, 0.3958**.

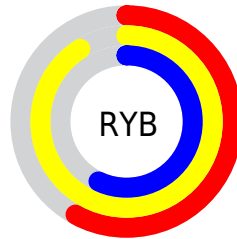
# Distribution



Red (91%)

Green (91%)

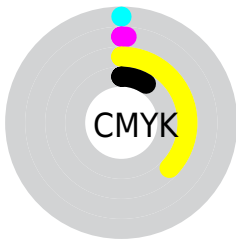
Blue (57%)



Red (58%)

Yellow (91%)

Blue (57%)

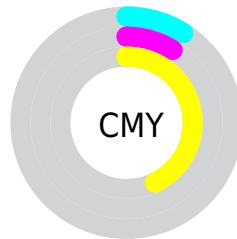


Cyan (0%)

Magenta (1%)

Yellow (37%)

Black (9%)



Cyan (9%)

Magenta (9%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5508, 0.3695, 0.4198 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 76.5508, 0.3695, 0.4198 by changing the saturation by 10% instead.




 76.5508, 0.3695,  
0.4198


 76.5508, 0.3695,  
0.4198


483.2311, 0.3446,  
0.3779

 56.8843, 0.3747,  
0.4291


 128.5052, 0.3613,  
0.4054

 40.9123, 0.3808,  
0.4405


 161.5619, 0.3579,  
0.3998

 28.2506, 0.3879,  
0.4545


199.8507, 0.3550,  
0.3949

 18.5146, 0.3963,  
0.4722

243.7561, 0.3525,  
0.3906

 11.3201, 0.4058,  
0.4946

293.6624, 0.3502,  
0.3869

 6.2826, 0.4160,  
0.5239

349.9541, 0.3481,

 3.0177, 0.4299,

0.3835

0.5701

413.0155, 0.3463,  
0.3806

■ 1.1410, 0.4067,  
0.5933

■ 0.0127, 0.0000,  
1.0000

■ 76.5508, 0.3695,  
0.4198

■ 76.5508, 0.3695,  
0.4198

■ 75.5951, 0.3837,  
0.4422

■ 77.6622, 0.3544,  
0.3958

■ 74.7758, 0.3963,  
0.4619

■ 78.9272, 0.3389,  
0.3711

■ 74.0861, 0.4068,  
0.4781

■ 80.3569, 0.3236,  
0.3466

■ 73.5147, 0.4148,  
0.4901

■ 81.9584, 0.3089,  
0.3228

■ 73.0483, 0.4202,  
0.4978

■ 83.2442, 0.2993,  
0.3076

■ 72.6693, 0.4230,  
0.5013

■ 83.5562, 0.2993,  
0.3081

■ 72.5759, 0.4235,  
0.5019

■ 83.8691, 0.2993,  
0.3087

■ 84.1830, 0.2993,  
0.3092

■ 84.4979, 0.2993,  
0.3098

# Harmonies

## Analogous

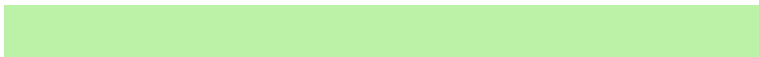
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5508, 0.4047, 0.3970



76.5508, 0.3695, 0.4198



76.5508, 0.3207, 0.4160

# Triad

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



76.5508, 0.3695, 0.4198



76.5508, 0.2204, 0.2848



76.5508, 0.3502, 0.2834

# Complementary

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



76.5508, 0.3695, 0.4198



33.1944, 0.2446, 0.2185

# 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.



76.5508, 0.2980, 0.2578



76.5508, 0.3695, 0.4198



76.5508, 0.2266, 0.2561

# Square

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



76.5508, 0.3695, 0.4198



76.5508, 0.2362, 0.3309



76.5508, 0.2537, 0.2476



76.5508, 0.3944, 0.3195



# Rectangle

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



76.5508, 0.3695, 0.4198



76.5508, 0.2874, 0.3960



76.5508, 0.2537, 0.2476



76.5508, 0.3328, 0.2734

# Sweetspot

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



76.5543, 0.3695, 0.4198



97.9032, 0.3293, 0.3556



40.0579, 0.4013, 0.3259



20.9038, 0.3313, 0.3590



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.



76.5543, 0.3695, 0.4198



92.9716, 0.3808, 0.4376



71.6381, 0.3387, 0.4318



17.5626, 0.3268, 0.3517



41.1926, 0.4235, 0.5020



3.2539, 0.4228, 0.5025



# Inverse Universe

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



33.1944, 0.2446, 0.2185



32.4464, 0.2278, 0.1909



36.9633, 0.2764, 0.2251



14.6056, 0.2980, 0.3052



3.4307, 0.1504, 0.0615

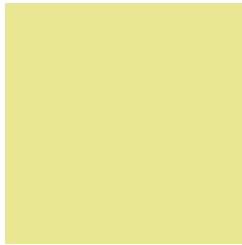


0.2895, 0.1516, 0.0656



# Previews

## White Background



This preview shows how the Yxy color 76.5508, 0.3695, 0.4198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

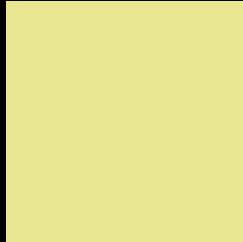
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5508, 0.3695, 0.4198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

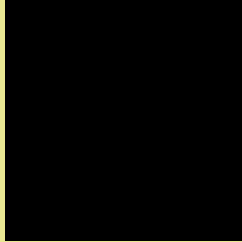
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.5508, 0.3695, 0.4198**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5508, 0.3695, 0.4198.



This preview shows how white text looks on a background with the Yxy color 76.5508, 0.3695, 0.4198.

# 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

76.5508, 0.3695, 0.4198

### Protanopia

76.7259, 0.3829, 0.4146

### Deuteranopia

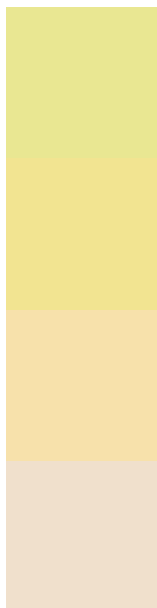
76.4757, 0.3629, 0.3659



## Tritanopia

76.5339, 0.3185, 0.3118

# Trichromacy



## Original Color

76.5508, 0.3695, 0.4198

## Protanomaly

76.4084, 0.3781, 0.4158

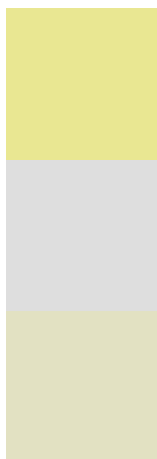
## Deuteranomaly

76.5649, 0.3656, 0.3854

## Tritanomaly

76.1962, 0.3377, 0.3501

# Monochromacy



## Original Color

76.5508, 0.3695, 0.4198

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.9142, 0.3340, 0.3629

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5508, 0.3695, 0.4198 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(233, 231, 146)` looks like.

```
.text, #text, p{  
    color:rgb(233, 231, 146)  
}
```

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(233, 231, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 231, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5508, 0.3695, 0.4198 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(233, 231, 146) }
```

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

```
.border{ border-color:rgb(233, 231, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 231, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 231, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 231, 146);  
box-shadow:4px 4px 4px 4px rgb(233, 231,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5508, 0.3695, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 231, 146) }
```

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

```
.background{ background-color: rgb(233,  
231, 146) }
```

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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