

# Converting Colors

Yxy(76.3882, 0.3387, 0.3719)

Have a look what the booklet for  
Yxy(76.3882, 0.3387, 0.3719)  
contains.

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# Color

**Yxy(76.3708, 0.3389, 0.3723)**

# Conversions

Conversions Part 1	
Format	Color
Hex	E5E5BD
RGB	229, 229, 189
RGB Percent	90%, 90%, 74%
CMY	0.1020, 0.1019, 0.2587
CMYK	0.00, 0.00, 0.17, 0.10
HSL	60°, 43%, 82%
HSV	60°, 17%, 90%
XYZ	69.5194, 76.3708, 59.2422
YIQ	224.4400, 12.8400, -12.4400

# Conversions

## Conversions Part 2

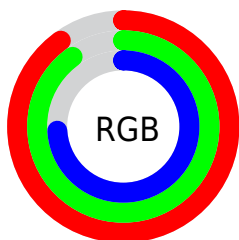
Format	Color
<a href="#">RYB</a>	<a href="#">189, 229, 189</a>
Decimal	<a href="#">15066557</a>
CIELab	<a href="#">90.03, -6.53, 19.54</a>
CIELCh	<a href="#">90, 20.601, 108.491</a>
Yxy	<a href="#">76.3708, 0.3389, 0.3723</a>
Android (android.graphics.Color)	<a href="#">4293256637</a> (0xFFE5E5BD)
YUV	<a href="#">224.4400, -17.4719, 3.9991</a>
Hunter-Lab	<a href="#">87.3904, -10.9358, 20.9804</a>

# Details

The Yxy color  $76.3708, 0.3389, 0.3723$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $52.8946, 0.2841, 0.2817$ , and the grayscale version is  $74.9962, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.3726, 0.3185, 0.3386$ , and  $40.9339, 0.3440, 0.3826$  is the 20% darker color. If you saturate the color by 10%, you get  $75.4556, 0.3541, 0.3975$ , and if you desaturate by 10%, it is  $77.4498, 0.3237, 0.3472$ .

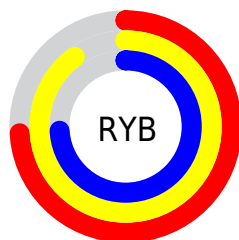
# Distribution



Red (90%)

Green (90%)

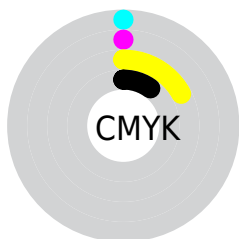
Blue (74%)



Red (74%)

Yellow (90%)

Blue (74%)

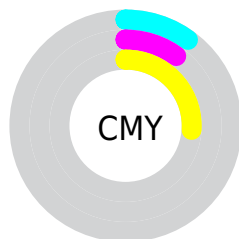


Cyan (0%)

Magenta (0%)

Yellow (17%)

Black (10%)



Cyan (10%)

Magenta (10%)


Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3708, 0.3389, 0.3723 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 76.3708, 0.3389, 0.3723 by changing the saturation by 10% instead.




 76.3708, 0.3389,  
0.3723

 76.3708, 0.3389,  
0.3723


482.6161, 0.3270,  
0.3522

 56.7366, 0.3415,  
0.3769


 128.2509, 0.3348,  
0.3653

 40.7938, 0.3447,  
0.3826


161.2656, 0.3333,  
0.3626

 28.1580, 0.3487,  
0.3898


199.5093, 0.3319,  
0.3603

 18.4448, 0.3538,  
0.3991

243.3664, 0.3307,  
0.3582

 11.2698, 0.3605,  
0.4118

293.2212, 0.3296,  
0.3565

 6.2486, 0.3696,  
0.4299


349.4581, 0.3287,

 2.9968, 0.3822,

0.3549

0.4574


412.4616, 0.3278,  
0.3535


 1.1301, 0.4426,  
0.5574

 0.0035, 0.0000,  
1.0000

 76.3708, 0.3389,  
0.3723


 76.3708, 0.3389,  
0.3723


 75.4556, 0.3541,  
0.3975


 77.4498, 0.3237,  
0.3472


 74.6867, 0.3689,  
0.4218


 78.6893, 0.3090,  
0.3229


 74.0595, 0.3826,  
0.4445


 79.9215, 0.2967,  
0.3025


 73.5655, 0.3946,  
0.4645


 79.9225, 0.2967,  
0.3025

 73.1949, 0.4045,  
0.4808


 79.9235, 0.2967,  
0.3025

 72.9368, 0.4119,  
0.4930


 79.9245, 0.2967,  
0.3025


 72.7786, 0.4166,  
0.5008

 79.9256, 0.2967,  
0.3025

 72.7029, 0.4189,  
0.5046

 79.9266, 0.2967,  
0.3025

 72.6899, 0.4193,  
0.5053

 79.9276, 0.2967,  
0.3025

# Harmonies

## Analogous

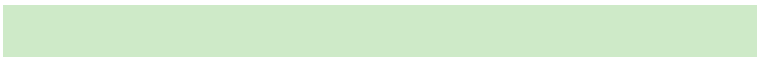
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3708, 0.3560, 0.3646



76.3708, 0.3389, 0.3723



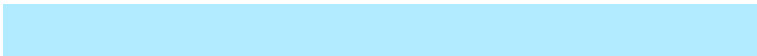
76.3708, 0.3152, 0.3676

# Triad

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



76.3708, 0.3389, 0.3723



76.3708, 0.2665, 0.3071



76.3708, 0.3334, 0.3081

# Complementary

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



76.3708, 0.3389, 0.3723



52.8946, 0.2841, 0.2817

# Split Complementary

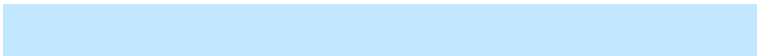
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3708, 0.3087, 0.2940



76.3708, 0.3389, 0.3723



76.3708, 0.2708, 0.2928

# Square

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



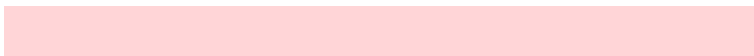
76.3708, 0.3389, 0.3723



76.3708, 0.2739, 0.3286



76.3708, 0.2860, 0.2883



76.3708, 0.3529, 0.3275



# Rectangle

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



76.3708, 0.3389, 0.3723



76.3708, 0.2990, 0.3578



76.3708, 0.2860, 0.2883



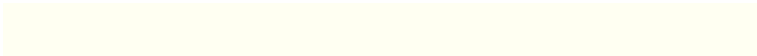
76.3708, 0.3253, 0.3026

# Sweetspot

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



76.3742, 0.3389, 0.3723



99.2052, 0.3201, 0.3412



56.7466, 0.3463, 0.3291



21.2110, 0.3212, 0.3430



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.



76.3742, 0.3389, 0.3723



97.0155, 0.3445, 0.3816



73.2757, 0.3245, 0.3743



16.8170, 0.3268, 0.3522



41.5586, 0.4193, 0.5053



3.0711, 0.4193, 0.5053



# Inverse Universe

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



52.8946, 0.2841, 0.2817



61.6854, 0.2773, 0.2704



55.6279, 0.2991, 0.2837



13.8874, 0.2980, 0.3047



3.2348, 0.1500, 0.0600

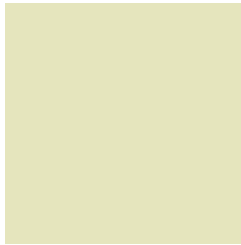


0.2391, 0.1501, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 76.3708, 0.3389, 0.3723 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

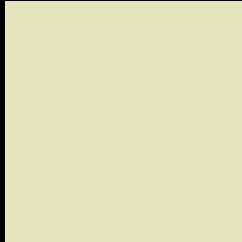
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3708, 0.3389, 0.3723 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

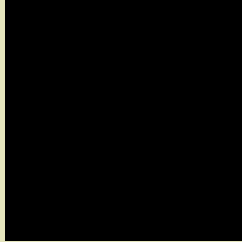
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

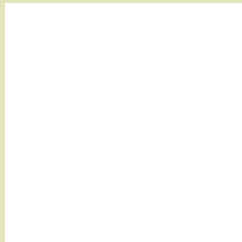
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3708, 0.3389, 0.3723**

## Background



This preview shows how black text looks on a background with the Yxy color 76.3708, 0.3389, 0.3723.



This preview shows how white text looks on a background with the Yxy color 76.3708, 0.3389, 0.3723.

# 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

76.3708, 0.3389, 0.3723

### Protanopia

76.3313, 0.3483, 0.3704

### Deuteranopia

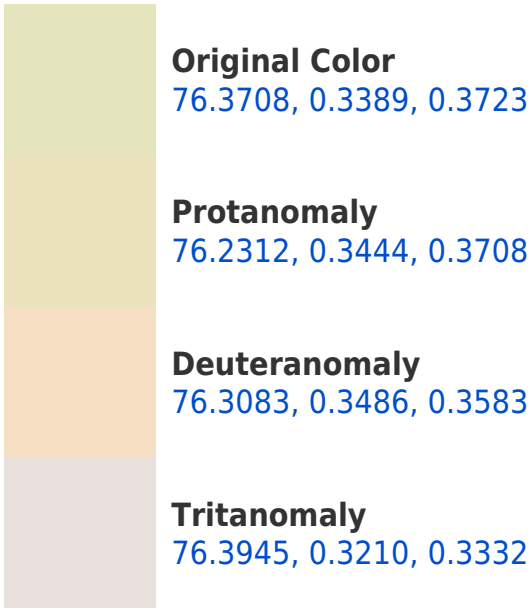
76.0003, 0.3541, 0.3505



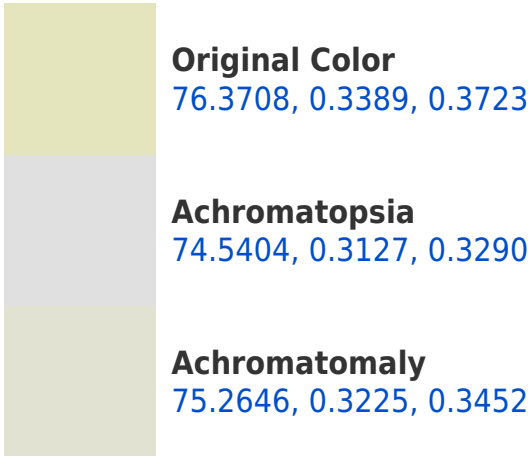
## Tritanopia

76.3074, 0.3114, 0.3115

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3708, 0.3389, 0.3723 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(229, 229, 189)` looks like.

```
.text, #text, p{  
    color:rgb(229, 229, 189)  
}
```

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(229, 229, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 229, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3708, 0.3389, 0.3723 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(229, 229, 189) }
```

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

```
.border{ border-color:rgb(229, 229, 189) }
```

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

Here you see how a box with a 4 pixel rgb(229, 229, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 229, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 229, 189);  
box-shadow:4px 4px 4px 4px rgb(229, 229,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3708, 0.3389, 0.3723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 229, 189) }
```

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

```
.background{ background-color: rgb(229,  
229, 189) }
```

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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