

Converting Colors

$Yxy(76.6958, 0.3787, 0.4346)$

Have a look what the booklet for
Yxy(76.6958, 0.3787, 0.4346)
contains.

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Color

Yxy(76.8716, 0.3783, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	EAE884
RGB	234, 232, 132
RGB Percent	92%, 91%, 52%
CMY	0.0825, 0.0901, 0.4823
CMYK	0.00, 0.01, 0.44, 0.08
HSL	59°, 71%, 72%
HSV	59°, 44%, 92%
XYZ	66.9441, 76.8716, 33.1447
YIQ	221.1980, 33.2920, -30.6760

Conversions

Conversions Part 2

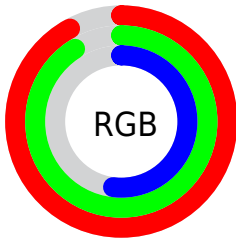
Format	Color
RYB	134, 234, 132
Decimal	15394948
CIELab	90.26, -13.16, 48.67
CIELCh	90, 50.421, 105.133
Yxy	76.8716, 0.3783, 0.4344
Android (android.graphics.Color)	4293585028 (0xFFEAE884)
YUV	221.1980, -43.9746, 11.2274
Hunter-Lab	87.6765, -17.1426, 38.9599

Details

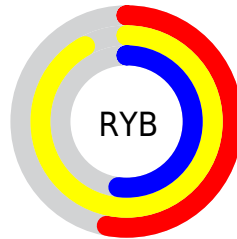
The Yxy color **76.8716, 0.3783, 0.4344** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.8843, 0.2312, 0.1961**, and the grayscale version is **72.7495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **41.3706, 0.3906, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **76.0541, 0.3915, 0.4553**, and if you desaturate by 10%, it is **77.8404, 0.3638, 0.4112**.

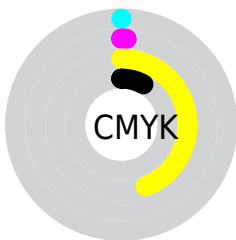
Distribution



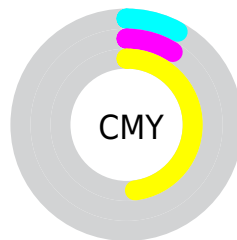
- Red (92%)
- Green (91%)
- Blue (52%)



- Red (53%)
- Yellow (92%)
- Blue (52%)



- Cyan (0%)
- Magenta (1%)
- Yellow (44%)
- Black (8%)





- Cyan (8%)
- Magenta (9%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8716, 0.3783, 0.4344 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 76.8716, 0.3783, 0.4344 by changing the saturation by 10% instead.


 76.8716, 0.3783,
0.4344


 76.8716, 0.3783,
0.4344


484.3261, 0.3501,
0.3861

 57.1475, 0.3840,
0.4450


 128.9582, 0.3691,
0.4179

 41.1237, 0.3905,
0.4578


 162.0895, 0.3653,
0.4114

 28.4157, 0.3979,
0.4733


 200.4587, 0.3620,
0.4058

 18.6393, 0.4062,
0.4924

244.4501, 0.3591,
0.4008

 11.4099, 0.4147,
0.5158

294.4481, 0.3565,
0.3965

 6.3433, 0.4271,
0.5516

350.8372, 0.3541,

 3.0549, 0.4220,

0.3926

0.5780

414.0018, 0.3520,
0.3892

■ 1.1605, 0.3953,
0.6047

■ 0.0291, 0.0000,
1.0000

■ 76.8716, 0.3783,
0.4344

■ 76.8716, 0.3783,
0.4344

■ 76.0541, 0.3915,
0.4553

■ 77.8404, 0.3638,
0.4112

■ 75.3676, 0.4027,
0.4730


■ 78.9588, 0.3485,
0.3868


■ 74.8048, 0.4116,
0.4867


■ 80.2383, 0.3331,
0.3620

■ 74.3529, 0.4178,
0.4960


■ 81.6866, 0.3180,
0.3375


 73.9967, 0.4214,
0.5010

 83.3106, 0.3035,
0.3140

 73.8030, 0.4227,
0.5026

 83.9456, 0.2999,
0.3086

 84.2006, 0.2999,
0.3090

 84.4563, 0.2999,
0.3095

 84.7127, 0.2999,
0.3099

Harmonies

Analogous

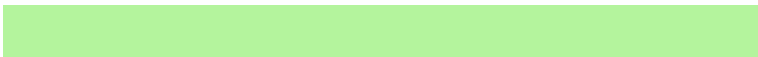
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8716, 0.4194, 0.4059



76.8716, 0.3783, 0.4344



76.8716, 0.3218, 0.4320

Triad

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



76.8716, 0.3783, 0.4344



76.8716, 0.2069, 0.2775



76.8716, 0.3553, 0.2760

Complementary

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



76.8716, 0.3783, 0.4344



27.8843, 0.2312, 0.1961

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.



76.8716, 0.2944, 0.2472



76.8716, 0.3783, 0.4344



76.8716, 0.2137, 0.2450

Square

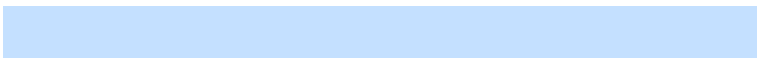
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8716, 0.3783, 0.4344



76.8716, 0.2247, 0.3312



76.8716, 0.2439, 0.2357



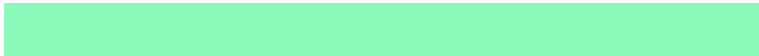
76.8716, 0.4076, 0.3167

Rectangle

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



76.8716, 0.3783, 0.4344



76.8716, 0.2834, 0.4088



76.8716, 0.2439, 0.2357



76.8716, 0.3348, 0.2648

Sweetspot

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



76.8751, 0.3783, 0.4344



97.6437, 0.3323, 0.3607



35.7540, 0.4240, 0.3255



20.8217, 0.3357, 0.3662



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.



76.8751, 0.3783, 0.4344



92.5942, 0.3898, 0.4527



70.9765, 0.3422, 0.4504



17.5748, 0.3268, 0.3518



41.5123, 0.4227, 0.5026



3.2754, 0.4222, 0.5030

Inverse Universe

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



27.8843, 0.2312, 0.1961



26.0352, 0.2126, 0.1654



32.0999, 0.2686, 0.2061



14.5949, 0.2980, 0.3051



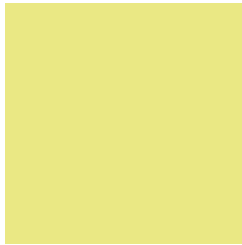
3.4131, 0.1504, 0.0612



0.2843, 0.1513, 0.0645

Previews

White Background



This preview shows how the Yxy color 76.8716, 0.3783, 0.4344 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 76.8716, 0.3783, 0.4344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

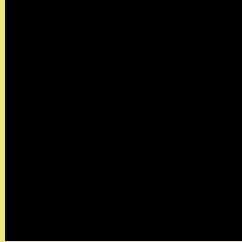
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8716, 0.3783, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 76.8716, 0.3783, 0.4344.



This preview shows how white text looks on a background with the Yxy color 76.8716, 0.3783, 0.4344.

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

76.8716, 0.3783, 0.4344

Protanopia

76.6896, 0.3932, 0.4273

Deuteranopia

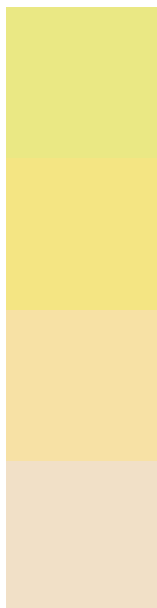
76.4336, 0.3637, 0.3670



Tritanopia

76.7133, 0.3192, 0.3118

Trichromacy



Original Color

76.8716, 0.3783, 0.4344

Protanomaly

76.9104, 0.3879, 0.4297

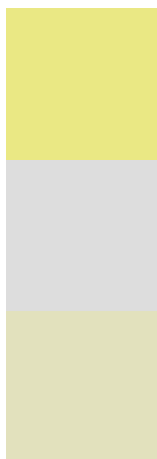
Deuteranomaly

76.3412, 0.3697, 0.3916

Tritanomaly

76.1356, 0.3419, 0.3554

Monochromacy



Original Color

76.8716, 0.3783, 0.4344

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.6933, 0.3374, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8716, 0.3783, 0.4344 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(234, 232, 132)` looks like.

```
.text, #text, p{  
    color:rgb(234, 232, 132)  
}
```

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(234, 232, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 232, 132) }
```

Border

The CSS property to change the border of an element to Yxy 76.8716, 0.3783, 0.4344 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(234, 232, 132) }
```

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

```
.border{ border-color:rgb(234, 232, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 232, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 232, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 232, 132);  
box-shadow:4px 4px 4px 4px rgb(234, 232,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8716, 0.3783, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 232, 132) }
```

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

```
.background{ background-color: rgb(234,  
232, 132) }
```

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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