

Converting Colors

$Yxy(76.5182, 0.3584, 0.4048)$

Have a look what the booklet for
Yxy(76.5182, 0.3584, 0.4048)
contains.

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Color

Yxy(76.7140, 0.3584, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	E7E7A1
RGB	231, 231, 161
RGB Percent	91%, 91%, 63%
CMY	0.0943, 0.0940, 0.3687
CMYK	0.00, 0.00, 0.30, 0.09
HSL	60°, 59%, 77%
HSV	60°, 30%, 91%
XYZ	67.9543, 76.7140, 44.9363
YIQ	223.0200, 22.4700, -21.7700

Conversions

Conversions Part 2

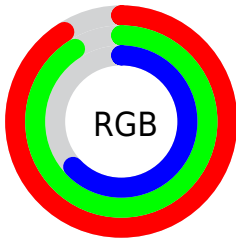
Format	Color
RYB	161, 231, 161
Decimal	15198113
CIELab	90.19, -10.62, 34.18
CIELCh	90, 35.794, 107.265
Yxy	76.7140, 0.3584, 0.4046
Android (android.graphics.Color)	4293388193 (0xFFE7E7A1)
YUV	223.0200, -30.5759, 6.9985
Hunter-Lab	87.5865, -14.7867, 30.8918

Details

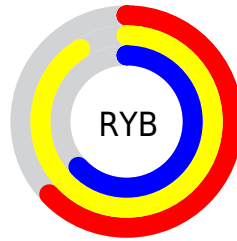
The Yxy color **76.7140, 0.3584, 0.4046** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8364, 0.2591, 0.2403**, and the grayscale version is **74.0141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **41.2688, 0.3678, 0.4221** is the 20% darker color. If you saturate the color by 10%, you get **75.9735, 0.3729, 0.4286**, and if you desaturate by 10%, it is **77.6120, 0.3433, 0.3796**.

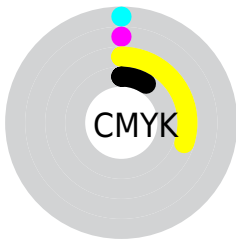
Distribution



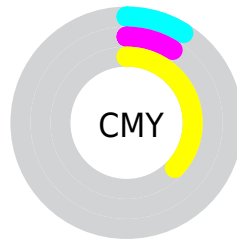
- Red (91%)
- Green (91%)
- Blue (63%)



- Red (63%)
- Yellow (91%)
- Blue (63%)



- Cyan (0%)
- Magenta (0%)
- Yellow (30%)
- Black (9%)





- Cyan (9%)
- Magenta (9%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7140, 0.3584, 0.4046 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 76.7140, 0.3584, 0.4046 by changing the saturation by 10% instead.


 76.7140, 0.3584,
0.4046


 76.7140, 0.3584,
0.4046

483.7884, 0.3382,
0.3695

 57.0182, 0.3627,
0.4125

 128.7357, 0.3516,
0.3925

 41.0198, 0.3679,
0.4222


 161.8303, 0.3489,
0.3877

 28.3346, 0.3741,
0.4344


200.1600, 0.3465,
0.3837

 18.5780, 0.3817,
0.4500

244.1092, 0.3445,
0.3801

 11.3658, 0.3908,
0.4704

294.0622, 0.3426,
0.3770

 6.3134, 0.4014,
0.4978

350.4035, 0.3410,

 3.0366, 0.4312,

0.3742

0.5606

413.5174, 0.3395,
0.3718

■ 1.1509, 0.4139,
0.5861

■ 0.0210, 0.0000,
1.0000

■ 76.7140, 0.3584,
0.4046

■ 76.7140, 0.3584,
0.4046

■ 75.9735, 0.3729,
0.4286

■ 77.6120, 0.3433,
0.3796

■ 75.3717, 0.3862,
0.4506

■ 78.6648, 0.3280,
0.3544

■ 74.9032, 0.3977,
0.4696


■ 79.8830, 0.3132,
0.3298

■ 74.5576, 0.4068,
0.4848


■ 81.2733, 0.2990,
0.3063


 74.3234, 0.4134,
0.4958

 81.3793, 0.2980,
0.3047

 74.1867, 0.4174,
0.5024

 81.3822, 0.2980,
0.3047

 74.1245, 0.4192,
0.5054

 81.3851, 0.2980,
0.3047

 81.3880, 0.2981,
0.3047

 81.3909, 0.2981,
0.3047

Harmonies

Analogous

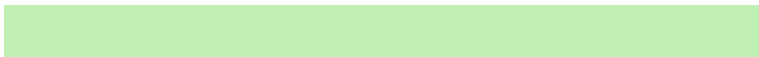
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7140, 0.3881, 0.3880



76.7140, 0.3584, 0.4046



76.7140, 0.3176, 0.3990

Triad

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



76.7140, 0.3584, 0.4046



76.7140, 0.2349, 0.2911



76.7140, 0.3464, 0.2923

Complementary

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



76.7140, 0.3584, 0.4046



38.8364, 0.2591, 0.2403

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.



76.7140, 0.3032, 0.2698



76.7140, 0.3584, 0.4046



76.7140, 0.2412, 0.2674

Square

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



76.7140, 0.3584, 0.4046



76.7140, 0.2475, 0.3287



76.7140, 0.2653, 0.2606



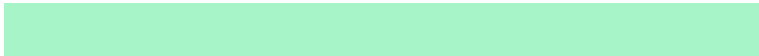
76.7140, 0.3818, 0.3236

Rectangle

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



76.7140, 0.3584, 0.4046



76.7140, 0.2899, 0.3818



76.7140, 0.2653, 0.2606



76.7140, 0.3322, 0.2836

Sweetspot

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



76.7175, 0.3584, 0.4046



98.6057, 0.3261, 0.3512



45.0493, 0.3810, 0.3292



21.0609, 0.3283, 0.3549



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.



76.7175, 0.3584, 0.4046



95.4184, 0.3670, 0.4189



71.4704, 0.3326, 0.4114



16.8167, 0.3267, 0.3522



41.5483, 0.4192, 0.5054



3.0705, 0.4192, 0.5053

Inverse Universe

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



38.8364, 0.2591, 0.2403



41.3005, 0.2468, 0.2199



42.9913, 0.2866, 0.2468



13.8877, 0.2980, 0.3047



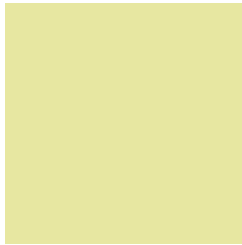
3.2353, 0.1500, 0.0600



0.2393, 0.1501, 0.0601

Previews

White Background



This preview shows how the Yxy color 76.7140, 0.3584, 0.4046 looks on a white background.

Color Contrast Check

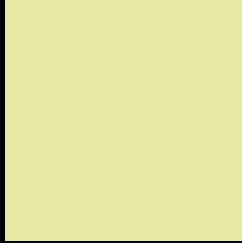
Large Text (above 18pt) WCAG AA × Fail

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 76.7140, 0.3584, 0.4046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

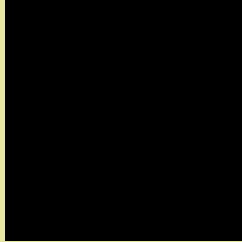
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7140, 0.3584, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 76.7140, 0.3584, 0.4046.



This preview shows how white text looks on a background with the Yxy color 76.7140, 0.3584, 0.4046.

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

76.7140, 0.3584, 0.4046

Protanopia

76.8539, 0.3716, 0.4001

Deuteranopia

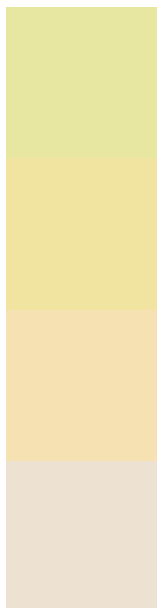
76.6470, 0.3601, 0.3618



Tritanopia

76.4112, 0.3149, 0.3116

Trichromacy



Original Color

76.7140, 0.3584, 0.4046

Protanomaly

76.5501, 0.3668, 0.4010

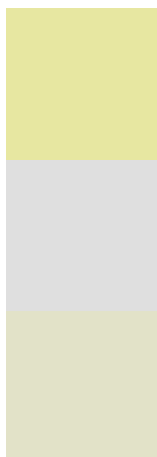
Deuteranomaly

76.6979, 0.3593, 0.3771

Tritanomaly

76.5081, 0.3312, 0.3449

Monochromacy



Original Color

76.7140, 0.3584, 0.4046

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7316, 0.3298, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7140, 0.3584, 0.4046 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 161) }
```

Border

The CSS property to change the border of an element to Yxy 76.7140, 0.3584, 0.4046 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, 161) }
```

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

```
.border{ border-color:rgb(231, 231, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 161);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7140, 0.3584, 0.4046 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, 161) }
```

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

```
.background{ background-color: rgb(231,  
231, 161) }
```

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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