

Converting Colors

$Yxy(78.9421, 0.3631, 0.4108)$

Have a look what the booklet for
Yxy(78.9421, 0.3631, 0.4108)
contains.

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Color

Yxy(78.9421, 0.3631, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	EBEA9D
RGB	235, 234, 157
RGB Percent	92%, 92%, 62%
CMY	0.0783, 0.0824, 0.3844
CMYK	0.00, 0.00, 0.33, 0.08
HSL	59°, 66%, 77%
HSV	59°, 33%, 92%
XYZ	69.7757, 78.9421, 43.4489
YIQ	225.5210, 25.3130, -23.7350

Conversions

Conversions Part 2

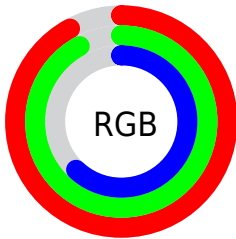
Format	Color
RYB	158, 235, 157
Decimal	15461021
CIELab	91.21, -11.05, 37.60
CIELCh	91, 39.189, 106.382
Yxy	78.9421, 0.3631, 0.4108
Android (android.graphics.Color)	4293651101 (0xFFEBEA9D)
YUV	225.5210, -33.7809, 8.3131
Hunter-Lab	88.8494, -15.3056, 33.2007

Details

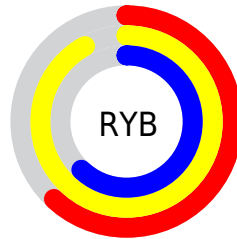
The Yxy color **78.9421, 0.3631, 0.4108** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.6251, 0.2532, 0.2316**, and the grayscale version is **75.9279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **42.3257, 0.3730, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **78.0417, 0.3776, 0.4341**, and if you desaturate by 10%, it is **80.0043, 0.3479, 0.3862**.

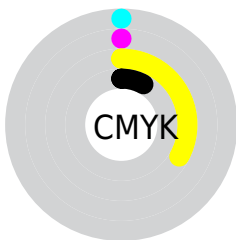
Distribution



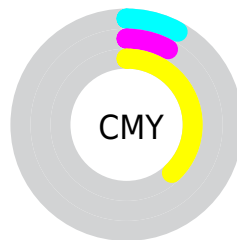
- Red (92%)
- Green (92%)
- Blue (62%)



- Red (62%)
- Yellow (92%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (8%)





- Cyan (8%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9421, 0.3631, 0.4108 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 78.9421, 0.3631, 0.4108 by changing the saturation by 10% instead.


 78.9421, 0.3631,
0.4108


 78.9421, 0.3631,
0.4108


491.3604, 0.3410,
0.3731

 58.8482, 0.3677,
0.4192


 131.8773, 0.3557,
0.3978

 42.4909, 0.3733,
0.4295


 165.4875, 0.3528,
0.3928

 29.4859, 0.3798,
0.4423


204.3718, 0.3502,
0.3884

 19.4487, 0.3877,
0.4584

248.9148, 0.3479,
0.3846

 11.9949, 0.3970,
0.4793

299.5007, 0.3459,
0.3812

 6.7402, 0.4073,
0.5067

356.5140, 0.3441,

 3.3002, 0.4341,

0.3782

0.5659

420.3392, 0.3425,
0.3755

■ 1.2904, 0.4139,
0.5861

■ 0.1337, 0.0000,
1.0000

■ 78.9421, 0.3631,
0.4108

■ 78.9421, 0.3631,
0.4108

■ 78.0417, 0.3776,
0.4341

■ 80.0043, 0.3479,
0.3862

■ 77.2836, 0.3907,
0.4552

■ 81.2259, 0.3325,
0.3612


■ 76.6615, 0.4019,
0.4731

■ 82.6180, 0.3174,
0.3367

■ 76.1645, 0.4107,
0.4869


■ 84.1877, 0.3030,
0.3131


 75.7798, 0.4168,
0.4965


 84.6215, 0.3006,
0.3095


 75.4921, 0.4204,
0.5017

 84.8004, 0.3006,
0.3098

 75.3358, 0.4217,
0.5034

 84.9795, 0.3006,
0.3101

 85.1590, 0.3006,
0.3104

 85.3388, 0.3006,
0.3108

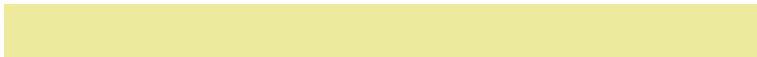
Harmonies

Analogous

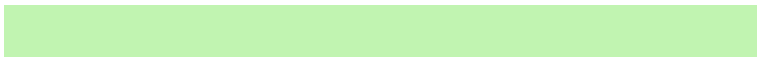
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9421, 0.3950, 0.3916



78.9421, 0.3631, 0.4108



78.9421, 0.3190, 0.4059

Triad

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



78.9421, 0.3631, 0.4108



78.9421, 0.2290, 0.2887



78.9421, 0.3478, 0.2886

Complementary

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



78.9421, 0.3631, 0.4108



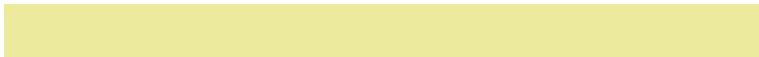
37.6251, 0.2532, 0.2316

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.



78.9421, 0.3010, 0.2648



78.9421, 0.3631, 0.4108



78.9421, 0.2351, 0.2628

Square

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



78.9421, 0.3631, 0.4108



78.9421, 0.2429, 0.3297



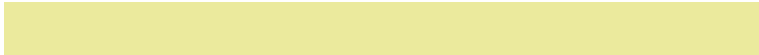
78.9421, 0.2604, 0.2552



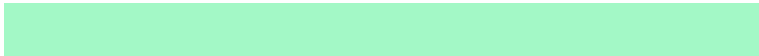
78.9421, 0.3868, 0.3219

Rectangle

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



78.9421, 0.3631, 0.4108



78.9421, 0.2890, 0.3876



78.9421, 0.2604, 0.2552



78.9421, 0.3323, 0.2793

Sweetspot

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



78.9457, 0.3631, 0.4108



98.2500, 0.3277, 0.3534



44.2537, 0.3890, 0.3277



20.9805, 0.3298, 0.3569



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.



78.9457, 0.3631, 0.4108



94.2215, 0.3733, 0.4273



73.7800, 0.3352, 0.4199



17.5907, 0.3268, 0.3520



41.9313, 0.4216, 0.5034



3.3036, 0.4213, 0.5037

Inverse Universe

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



37.6251, 0.2532, 0.2316



37.2192, 0.2384, 0.2073



41.6707, 0.2824, 0.2378



14.5808, 0.2980, 0.3050



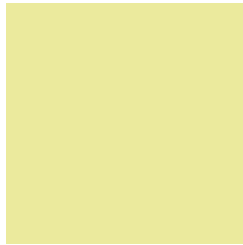
3.3903, 0.1503, 0.0608



0.2775, 0.1509, 0.0632

Previews

White Background



This preview shows how the Yxy color 78.9421, 0.3631, 0.4108 looks on a white background.

Color Contrast Check

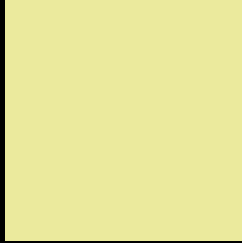
Large Text (above 18pt) WCAG AA × Fail

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 78.9421, 0.3631, 0.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

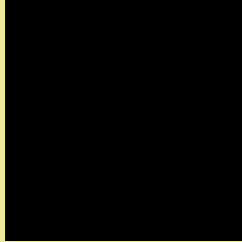
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9421, 0.3631, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 78.9421, 0.3631, 0.4108.



This preview shows how white text looks on a background with the Yxy color 78.9421, 0.3631, 0.4108.

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

78.9421, 0.3631, 0.4108

Protanopia

79.0999, 0.3762, 0.4061

Deuteranopia

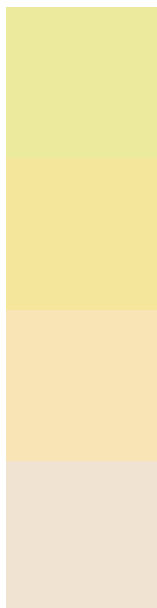
78.5114, 0.3551, 0.3586



Tritanopia

78.5387, 0.3164, 0.3109

Trichromacy



Original Color

78.9421, 0.3631, 0.4108

Protanomaly

78.7852, 0.3714, 0.4071

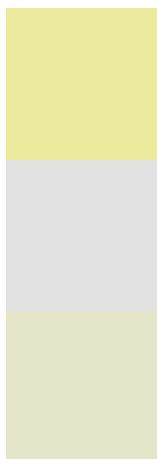
Deuteranomaly

78.7795, 0.3586, 0.3777

Tritanomaly

78.2921, 0.3339, 0.3468

Monochromacy



Original Color

78.9421, 0.3631, 0.4108

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.9137, 0.3309, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9421, 0.3631, 0.4108 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(235, 234, 157)` looks like.

```
.text, #text, p{  
    color:rgb(235, 234, 157)  
}
```

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(235, 234, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 234, 157) }
```

Border

The CSS property to change the border of an element to Yxy 78.9421, 0.3631, 0.4108 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(235, 234, 157) }
```

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

```
.border{ border-color:rgb(235, 234, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 234, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 234, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 234, 157);  
box-shadow:4px 4px 4px 4px rgb(235, 234,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9421, 0.3631, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 234, 157) }
```

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

```
.background{ background-color: rgb(235,  
234, 157) }
```

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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