

Converting Colors

$Y_{xy}(78.5921, 0.3753, 0.4275)$

Have a look what the booklet for
Yxy(78.5921, 0.3753, 0.4275)
contains.

Yxy(78.7436, 0.3750, 0.4275)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.7436, 0.3750, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	EDEA8C
RGB	237, 234, 140
RGB Percent	93%, 92%, 55%
CMY	0.0707, 0.0823, 0.4509
CMYK	0.00, 0.01, 0.41, 0.07
HSL	58°, 73%, 74%
HSV	58°, 41%, 93%
XYZ	69.0733, 78.7436, 36.3786
YIQ	224.1810, 31.9620, -28.5980

Conversions

Conversions Part 2

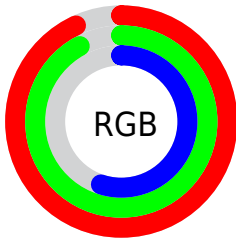
Format	Color
RYB	143, 237, 140
Decimal	15592076
CIELab	91.12, -12.18, 45.91
CIELCh	91, 47.496, 104.864
Yxy	78.7436, 0.3750, 0.4275
Android (android.graphics.Color)	4293782156 (0xFFEDEA8C)
YUV	224.1810, -41.5012, 11.2423
Hunter-Lab	88.7376, -16.3464, 37.8099

Details

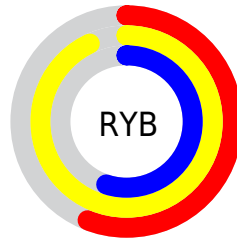
The Yxy color **78.7436, 0.3750, 0.4275** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.3262, 0.2371, 0.2068**, and the grayscale version is **74.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **42.2487, 0.3875, 0.4484** is the 20% darker color. If you saturate the color by 10%, you get **77.7125, 0.3888, 0.4490**, and if you desaturate by 10%, it is **79.9341, 0.3600, 0.4041**.

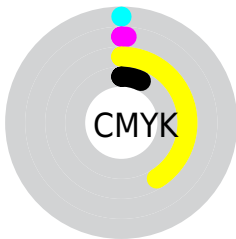
Distribution



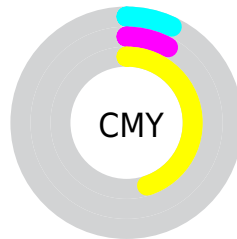
- Red (93%)
- Green (92%)
- Blue (55%)



- Red (56%)
- Yellow (93%)
- Blue (55%)



- Cyan (0%)
- Magenta (1%)
- Yellow (41%)
- Black (7%)




- Cyan (7%)
- Magenta (8%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7436, 0.3750, 0.4275 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 78.7436, 0.3750, 0.4275 by changing the saturation by 10% instead.


 78.7436, 0.3750,
0.4275


 78.7436, 0.3750,
0.4275


490.6885, 0.3481,
0.3825


 58.6850, 0.3805,
0.4374


 131.5978, 0.3662,
0.4121

 42.3596, 0.3869,
0.4493


 165.1623, 0.3626,
0.4061

 29.3830, 0.3942,
0.4640


 203.9975, 0.3594,
0.4008

 19.3707, 0.4027,
0.4821

248.4878, 0.3566,
0.3962

 11.9385, 0.4118,
0.5046

299.0177, 0.3541,
0.3922

 6.7018, 0.4221,
0.5347

355.9715, 0.3519,

 3.2763, 0.4284,

0.3886

0.5716

419.7337, 0.3499,
0.3853

■ 1.2776, 0.4059,
0.5941

■ 0.1238, 0.0000,
1.0000

■ 78.7436, 0.3750,
0.4275

■ 78.7436, 0.3750,
0.4275

■ 77.7125, 0.3888,
0.4490

■ 79.9341, 0.3600,
0.4041

■ 76.8203, 0.4009,
0.4675


■ 81.2820, 0.3445,
0.3796


■ 76.0596, 0.4108,
0.4822


■ 82.7992, 0.3291,
0.3551

■ 75.4179, 0.4180,
0.4926

■ 84.4933, 0.3140,
0.3311


 74.8803, 0.4226,
0.4986

 86.1435, 0.3018,
0.3117

 74.4596, 0.4248,
0.5009

 86.5626, 0.3018,
0.3124

 86.9834, 0.3018,
0.3131

 87.4059, 0.3018,
0.3138

 87.8300, 0.3018,
0.3146

Harmonies

Analogous

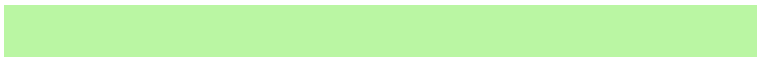
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7436, 0.4130, 0.4013



78.7436, 0.3750, 0.4275



78.7436, 0.3222, 0.4249

Triad

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



78.7436, 0.3750, 0.4275



78.7436, 0.2132, 0.2815



78.7436, 0.3521, 0.2789

Complementary

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



78.7436, 0.3750, 0.4275



31.3262, 0.2371, 0.2068

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.



78.7436, 0.2952, 0.2518



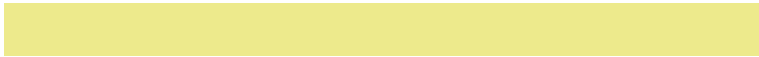
78.7436, 0.3750, 0.4275



78.7436, 0.2193, 0.2504

Square

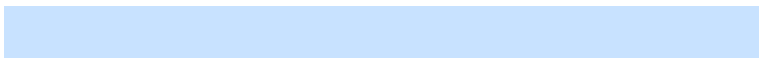
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7436, 0.3750, 0.4275



78.7436, 0.2304, 0.3319



78.7436, 0.2478, 0.2411



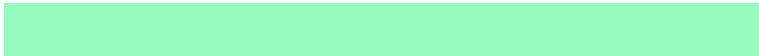
78.7436, 0.4009, 0.3174

Rectangle

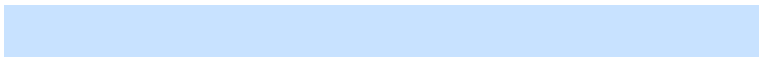
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7436, 0.3750, 0.4275



78.7436, 0.2860, 0.4035



78.7436, 0.2478, 0.2411



78.7436, 0.3331, 0.2683

Sweetspot

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



78.7472, 0.3750, 0.4275



97.5919, 0.3308, 0.3579



38.7528, 0.4141, 0.3257



20.8365, 0.3328, 0.3611



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.



78.7472, 0.3750, 0.4275



91.9951, 0.3866, 0.4455



73.6108, 0.3408, 0.4426



17.5439, 0.3269, 0.3516



40.7043, 0.4247, 0.5010



3.2210, 0.4239, 0.5016

Inverse Universe

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



31.3262, 0.2371, 0.2068



28.9774, 0.2194, 0.1777



35.2231, 0.2720, 0.2141



14.6222, 0.2980, 0.3054



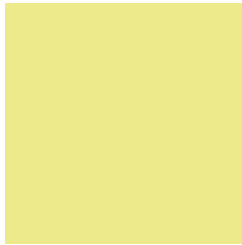
3.4576, 0.1506, 0.0619



0.2974, 0.1520, 0.0672

Previews

White Background



This preview shows how the Yxy color 78.7436, 0.3750, 0.4275 looks on a white background.

Color Contrast Check

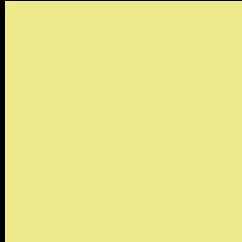
Large Text (above 18pt) WCAG AA × Fail

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 78.7436, 0.3750, 0.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

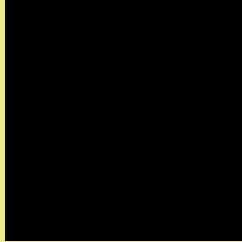
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7436, 0.3750, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 78.7436, 0.3750, 0.4275.



This preview shows how white text looks on a background with the Yxy color 78.7436, 0.3750, 0.4275.

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

78.7436, 0.3750, 0.4275

Protanopia

78.3828, 0.3889, 0.4211

Deuteranopia

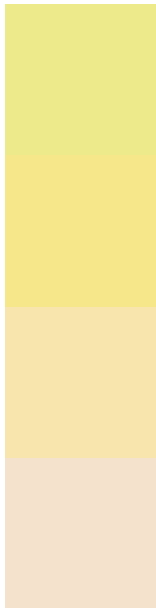
78.3771, 0.3572, 0.3617



Tritanopia

78.4903, 0.3192, 0.3110

Trichromacy



Original Color

78.7436, 0.3750, 0.4275

Protanomaly

78.6087, 0.3837, 0.4233

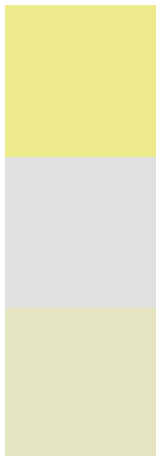
Deuteranomaly

78.4604, 0.3641, 0.3861

Tritanomaly

77.9854, 0.3403, 0.3519

Monochromacy



Original Color

78.7436, 0.3750, 0.4275

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.9951, 0.3364, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7436, 0.3750, 0.4275 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(237, 234, 140)` looks like.

```
.text, #text, p{  
    color:rgb(237, 234, 140)  
}
```

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(237, 234, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 234, 140) }
```

Border

The CSS property to change the border of an element to Yxy 78.7436, 0.3750, 0.4275 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(237, 234, 140) }
```

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

```
.border{ border-color:rgb(237, 234, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 234, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 234, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 234, 140); box-shadow:4px 4px 4px 4px rgb(237, 234, 140) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7436, 0.3750, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 234, 140) }
```

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

```
.background{ background-color: rgb(237,  
234, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor