

Converting Colors

$Y_{xy}(78.1098, 0.3742, 0.4242)$

Have a look what the booklet for
Yxy(78.1098, 0.3742, 0.4242)
contains.

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Color

Yxy(78.2353, 0.3742, 0.4246)

Conversions

Conversions Part 1

Format	Color
Hex	EDE98E
RGB	237, 233, 142
RGB Percent	93%, 91%, 56%
CMY	0.0706, 0.0863, 0.4430
CMYK	0.00, 0.02, 0.40, 0.07
HSL	57°, 73%, 74%
HSV	57°, 40%, 93%
XYZ	68.9488, 78.2353, 37.0724
YIQ	223.8220, 31.5950, -27.4530

Conversions

Conversions Part 2

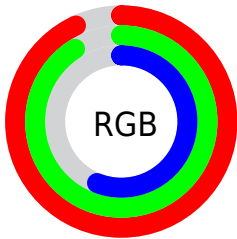
Format	Color
R _Y B	146, 237, 142
Decimal	15591822
CIE Lab	90.89, -11.46, 44.63
CIE LCh	91, 46.080, 104.399
Yxy	78.2353, 0.3742, 0.4246
Android (android.graphics.Color)	4293781902 (0xFFE9E98E)
YUV	223.8220, -40.3382, 11.5571
Hunter-Lab	88.4507, -15.6451, 37.0653

Details

The Yxy color **78.2353, 0.3742, 0.4246** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.4374, 0.2391, 0.2112**, and the grayscale version is **74.6884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **41.8858, 0.3867, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **77.0376, 0.3884, 0.4461**, and if you desaturate by 10%, it is **79.5947, 0.3590, 0.4013**.

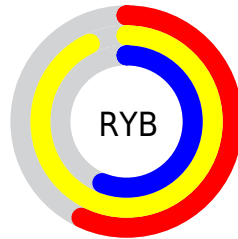
Distribution



Red (93%)

Green (91%)

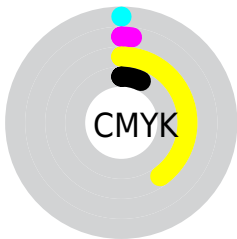
Blue (56%)



Red (57%)

Yellow (93%)

Blue (56%)

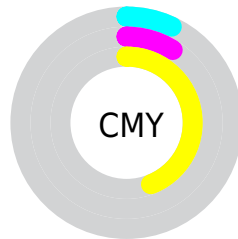


Cyan (0%)

Magenta (2%)

Yellow (40%)

Black (7%)



Cyan (7%)


Magenta (9%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2353, 0.3742, 0.4246 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 78.2353, 0.3742, 0.4246 by changing the saturation by 10% instead.

 78.2353, 0.3742,
0.4246


 78.2353, 0.3742,
0.4246


488.9656, 0.3475,
0.3808

 58.2673, 0.3797,
0.4342


 130.8818, 0.3654,
0.4097

 42.0236, 0.3861,
0.4459


 164.3290, 0.3618,
0.4038

 29.1197, 0.3936,
0.4602


203.0381, 0.3587,
0.3987

 19.1714, 0.4022,
0.4779

247.3935, 0.3559,
0.3942

 11.7942, 0.4118,
0.5001

297.7796, 0.3535,
0.3903

 6.6037, 0.4223,
0.5294


354.5806, 0.3513,


 3.2155, 0.4316,


0.3868


0.5684

418.1812, 0.3493,
0.3836

 1.2453, 0.4102,
0.5898


 0.0982, 0.0000,
1.0000


 78.2353, 0.3742,
0.4246


 78.2353, 0.3742,
0.4246


 77.0376, 0.3884,
0.4461


 79.5947, 0.3590,
0.4013

 75.9812, 0.4010,
0.4648

 81.1139, 0.3433,
0.3770

 75.0589, 0.4113,
0.4797


 82.8046, 0.3278,
0.3528


 74.2583, 0.4191,
0.4904


 84.6744, 0.3128,
0.3292


 73.5647, 0.4242,
0.4966


 86.3686, 0.3018,
0.3120

 72.9571, 0.4270,
0.4992

 86.9510, 0.3018,
0.3130

 87.5366, 0.3018,
0.3140

 88.1255, 0.3018,
0.3150

 88.7176, 0.3018,
0.3161

Harmonies

Analogous

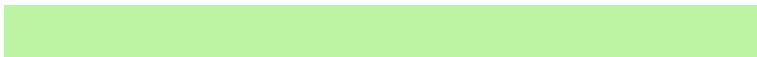
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2353, 0.4108, 0.3991



78.2353, 0.3742, 0.4246



78.2353, 0.3229, 0.4223

Triad

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



78.2353, 0.3742, 0.4246



78.2353, 0.2157, 0.2835



78.2353, 0.3502, 0.2796

Complementary

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



78.2353, 0.3742, 0.4246



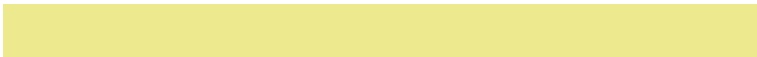
32.4374, 0.2391, 0.2112

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.



78.2353, 0.2950, 0.2533



78.2353, 0.3742, 0.4246



78.2353, 0.2214, 0.2528

Square

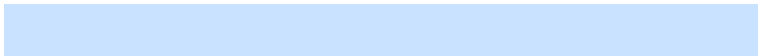
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2353, 0.3742, 0.4246



78.2353, 0.2330, 0.3328



78.2353, 0.2489, 0.2433



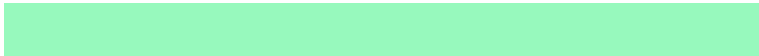
78.2353, 0.3979, 0.3172

Rectangle

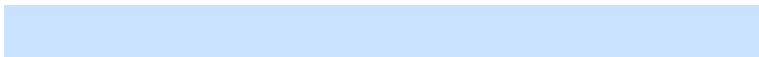
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2353, 0.3742, 0.4246



78.2353, 0.2876, 0.4019



78.2353, 0.2489, 0.2433



78.2353, 0.3317, 0.2693

Sweetspot

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



78.2389, 0.3742, 0.4246



97.3646, 0.3309, 0.3575



39.4621, 0.4092, 0.3239



20.7826, 0.3329, 0.3607



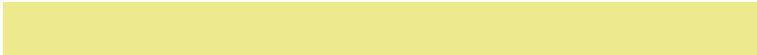
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

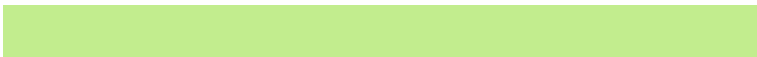
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2389, 0.3742, 0.4246



91.2196, 0.3858, 0.4423



74.0277, 0.3414, 0.4396



17.5119, 0.3269, 0.3513



39.8822, 0.4268, 0.4993



3.1655, 0.4257, 0.5002

Inverse Universe

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



32.4374, 0.2391, 0.2112



30.2797, 0.2218, 0.1829



35.7580, 0.2717, 0.2163



14.6505, 0.2980, 0.3057



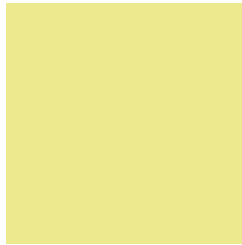
3.5037, 0.1508, 0.0627



0.3111, 0.1528, 0.0699

Previews

White Background



This preview shows how the Yxy color 78.2353, 0.3742, 0.4246 looks on a white background.

Color Contrast Check

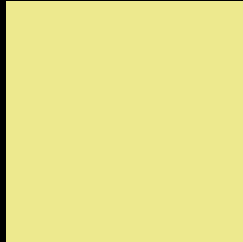
Large Text (above 18pt) WCAG AA × Fail

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 78.2353, 0.3742, 0.4246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

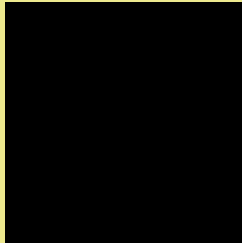
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2353, 0.3742, 0.4246

Background



This preview shows how black text looks on a background with the Yxy color 78.2353, 0.3742, 0.4246.



This preview shows how white text looks on a background with the Yxy color 78.2353, 0.3742, 0.4246.

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

78.2353, 0.3742, 0.4246

Protanopia

78.2561, 0.3869, 0.4195

Deuteranopia

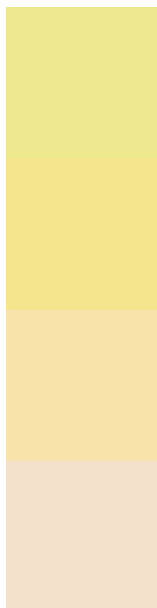
77.7531, 0.3589, 0.3627



Tritanopia

77.9014, 0.3199, 0.3110

Trichromacy



Original Color

78.2353, 0.3742, 0.4246

Protanomaly

77.9292, 0.3821, 0.4208

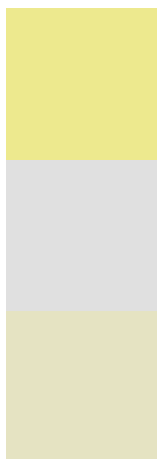
Deuteranomaly

77.9118, 0.3644, 0.3851

Tritanomaly

77.4432, 0.3404, 0.3509

Monochromacy



Original Color

78.2353, 0.3742, 0.4246

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.4912, 0.3359, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2353, 0.3742, 0.4246 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, 233, 142)` looks like.

```
.text, #text, p{  
    color:rgb(237, 233, 142)  
}
```

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, 233, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 233, 142) }
```

Border

The CSS property to change the border of an element to Yxy 78.2353, 0.3742, 0.4246 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, 233, 142) }
```

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

```
.border{ border-color:rgb(237, 233, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 233, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 233, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 233, 142);  
box-shadow:4px 4px 4px 4px rgb(237, 233,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2353, 0.3742, 0.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 233, 142) }
```

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

```
.background{ background-color: rgb(237,  
233, 142) }
```

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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