

Converting Colors

$Yxy(78.5889, 0.3782, 0.4336)$

Have a look what the booklet for
Yxy(78.5889, 0.3782, 0.4336)
contains.

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Color

Yxy(78.5714, 0.3786, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	EDEA86
RGB	237, 234, 134
RGB Percent	93%, 92%, 53%
CMY	0.0706, 0.0823, 0.4744
CMYK	0.00, 0.01, 0.43, 0.07
HSL	58°, 74%, 73%
HSV	58°, 43%, 93%
XYZ	68.6525, 78.5714, 34.1087
YIQ	223.4970, 33.8880, -30.4640

Conversions

Conversions Part 2

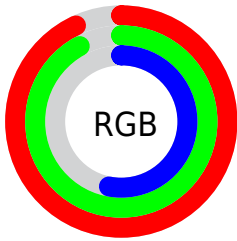
Format	Color
RYB	137, 237, 134
Decimal	15592070
CIELab	91.04, -12.76, 48.72
CIELCh	91, 50.365, 104.678
Yxy	78.5714, 0.3786, 0.4333
Android (android.graphics.Color)	4293782150 (0xFFEDEA86)
YUV	223.4970, -44.1220, 11.8421
Hunter-Lab	88.6405, -16.8718, 39.2337

Details

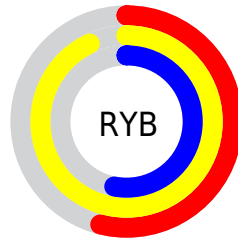
The Yxy color **78.5714, 0.3786, 0.4333** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.0814, 0.2316, 0.1977**, and the grayscale version is **74.4696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **42.0337, 0.3905, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **77.5940, 0.3920, 0.4541**, and if you desaturate by 10%, it is **79.7058, 0.3639, 0.4103**.

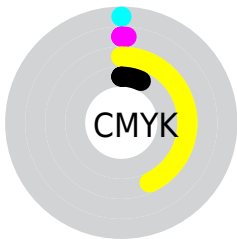
Distribution



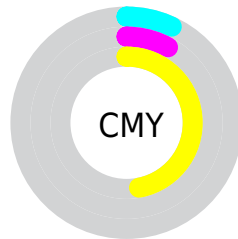
- Red (93%)
- Green (92%)
- Blue (53%)



- Red (54%)
- Yellow (93%)
- Blue (53%)



- Cyan (0%)
- Magenta (1%)
- Yellow (43%)
- Black (7%)





- Cyan (7%)
- Magenta (8%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5714, 0.3786, 0.4333 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 78.5714, 0.3786, 0.4333 by changing the saturation by 10% instead.

 78.5714, 0.3786,
0.4333


 78.5714, 0.3786,
0.4333


490.1052, 0.3503,
0.3857

 58.5435, 0.3843,
0.4437


 131.3553, 0.3694,
0.4171

 42.2457, 0.3908,
0.4562


 164.8801, 0.3656,
0.4107

 29.2938, 0.3983,
0.4714

 203.6726, 0.3623,
0.4052

 19.3032, 0.4067,
0.4900

248.1173, 0.3593,
0.4003

 11.8895, 0.4154,
0.5128

298.5985, 0.3567,
0.3960

 6.6685, 0.4268,
0.5458

355.5006, 0.3544,

 3.2557, 0.4254,

0.3922

0.5746

419.2080, 0.3522,
0.3888

■ 1.2666, 0.4016,
0.5984

■ 0.1151, 0.0000,
1.0000

■ 78.5714, 0.3786,
0.4333

■ 78.5714, 0.3786,
0.4333

■ 77.5940, 0.3920,
0.4541

■ 79.7058, 0.3639,
0.4103

■ 76.7526, 0.4036,
0.4717

■ 80.9953, 0.3485,
0.3860

■ 76.0397, 0.4127,
0.4854

■ 82.4521, 0.3330,
0.3614

■ 75.4422, 0.4192,
0.4947

■ 84.0837, 0.3178,
0.3372

 74.9444, 0.4231,
0.4996

 85.8976, 0.3033,
0.3139

 74.6565, 0.4246,
0.5011

 86.4574, 0.3018,
0.3122

 86.8601, 0.3018,
0.3129

 87.2644, 0.3018,
0.3136

 87.6703, 0.3018,
0.3143

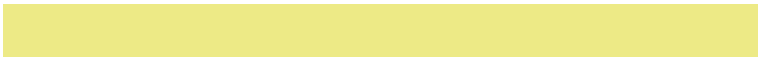
Harmonies

Analogous

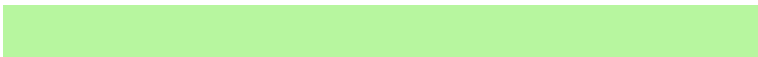
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5714, 0.4190, 0.4048



78.5714, 0.3786, 0.4333



78.5714, 0.3227, 0.4314

Triad

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



78.5714, 0.3786, 0.4333



78.5714, 0.2078, 0.2786



78.5714, 0.3540, 0.2758

Complementary

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



78.5714, 0.3786, 0.4333



29.0814, 0.2316, 0.1977

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.



78.5714, 0.2937, 0.2475



78.5714, 0.3786, 0.4333



78.5714, 0.2141, 0.2460

Square

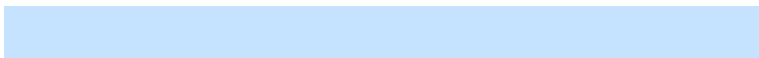
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5714, 0.3786, 0.4333



78.5714, 0.2259, 0.3321



78.5714, 0.2438, 0.2364



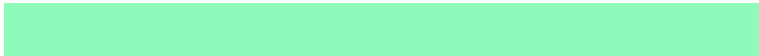
78.5714, 0.4061, 0.3162

Rectangle

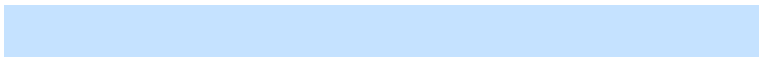
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5714, 0.3786, 0.4333



78.5714, 0.2845, 0.4088



78.5714, 0.2438, 0.2364



78.5714, 0.3337, 0.2648

Sweetspot

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



78.5750, 0.3786, 0.4333



97.4319, 0.3324, 0.3604



36.8803, 0.4236, 0.3255



20.7687, 0.3358, 0.3658



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.



78.5750, 0.3786, 0.4333



91.7575, 0.3904, 0.4517



73.1030, 0.3421, 0.4501



17.5473, 0.3269, 0.3516



40.7946, 0.4245, 0.5012



3.2271, 0.4237, 0.5018

Inverse Universe

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



29.0814, 0.2316, 0.1977



26.3749, 0.2129, 0.1670



33.1255, 0.2687, 0.2064



14.6191, 0.2980, 0.3053



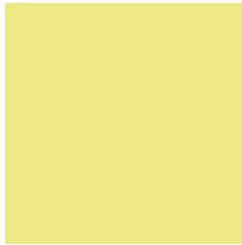
3.4526, 0.1505, 0.0619



0.2960, 0.1519, 0.0669

Previews

White Background



This preview shows how the Yxy color 78.5714, 0.3786, 0.4333 looks on a white background.

Color Contrast Check

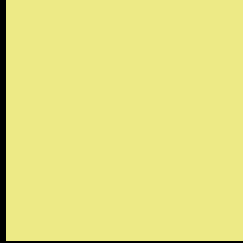
Large Text (above 18pt) WCAG AA × Fail

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 78.5714, 0.3786, 0.4333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

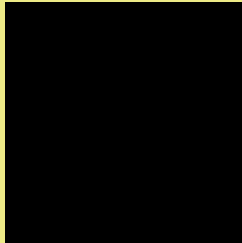
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5714, 0.3786, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 78.5714, 0.3786, 0.4333.



This preview shows how white text looks on a background with the Yxy color 78.5714, 0.3786, 0.4333.

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

78.5714, 0.3786, 0.4333

Protanopia

78.2138, 0.3926, 0.4267

Deuteranopia

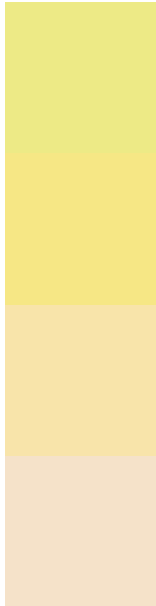
78.2890, 0.3586, 0.3637



Tritanopia

78.6143, 0.3206, 0.3120

Trichromacy



Original Color

78.5714, 0.3786, 0.4333

Protanomaly

78.4381, 0.3873, 0.4290

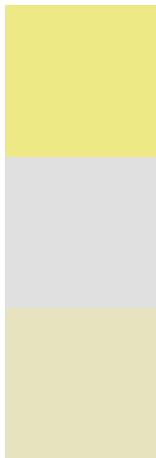
Deuteranomaly

78.3455, 0.3661, 0.3892

Tritanomaly

78.0222, 0.3431, 0.3550

Monochromacy



Original Color

78.5714, 0.3786, 0.4333

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.9064, 0.3378, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5714, 0.3786, 0.4333 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(237, 234, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 234, 134) }
```

Border

The CSS property to change the border of an element to Yxy 78.5714, 0.3786, 0.4333 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, 134) }
```

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

```
.border{ border-color:rgb(237, 234, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 234, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 234, 134);  
box-shadow:4px 4px 4px 4px rgb(237, 234,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5714, 0.3786, 0.4333 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, 134) }
```

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

```
.background{ background-color: rgb(237,  
234, 134) }
```

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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