

Converting Colors

$Yxy(80.0729, 0.3853, 0.4464)$

Have a look what the booklet for
Yxy(80.0729, 0.3853, 0.4464)
contains.

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Color

Yxy(80.1507, 0.3848, 0.4466)

Conversions

Conversions Part 1

Format	Color
Hex	EEED7A
RGB	238, 237, 122
RGB Percent	93%, 93%, 48%
CMY	0.0667, 0.0706, 0.5214
CMYK	0.00, 0.00, 0.49, 0.07
HSL	59°, 77%, 71%
HSV	59°, 49%, 93%
XYZ	69.0595, 80.1507, 30.2584
YIQ	224.1890, 37.5110, -35.5530

Conversions

Conversions Part 2

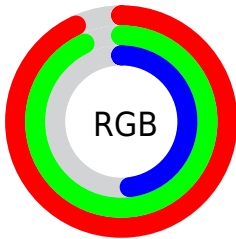
Format	Color
RYB	123, 238, 122
Decimal	15658362
CIELab	91.75, -14.95, 55.27
CIELCh	92, 57.251, 105.135
Yxy	80.1507, 0.3848, 0.4466
Android (android.graphics.Color)	4293848442 (0xFFEEED7A)
YUV	224.1890, -50.3792, 12.1122
Hunter-Lab	89.5269, -18.9803, 42.6299

Details

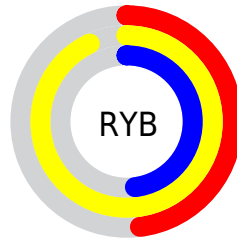
The Yxy color **80.1507, 0.3848, 0.4466** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **24.4919, 0.2197, 0.1761**, and the grayscale version is **75.0360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **43.1807, 0.3974, 0.4712** is the 20% darker color. If you saturate the color by 10%, you get **79.5162, 0.3968, 0.4661**, and if you desaturate by 10%, it is **80.9372, 0.3711, 0.4243**.

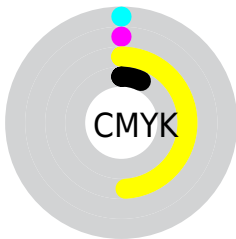
Distribution



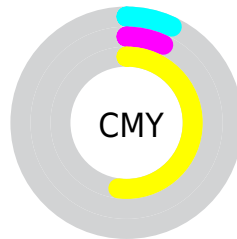
- Red (93%)
- Green (93%)
- Blue (48%)



- Red (48%)
- Yellow (93%)
- Blue (48%)



- Cyan (0%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)





- Cyan (7%)
- Magenta (7%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1507, 0.3848, 0.4466 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 80.1507, 0.3848, 0.4466 by changing the saturation by 10% instead.


 80.1507, 0.3848,
0.4466


 80.1507, 0.3848,
0.4466


495.4406, 0.3546,
0.3934

 59.8424, 0.3906,
0.4580


 133.5776, 0.3751,
0.4287

 43.2916, 0.3971,
0.4716


 167.4649, 0.3711,
0.4215

 30.1140, 0.4043,
0.4878


 206.6474, 0.3676,
0.4153

 19.9251, 0.4119,
0.5073

251.5094, 0.3644,
0.4098

 12.3406, 0.4187,
0.5304

302.4353, 0.3616,
0.4050

 6.9761, 0.4312,
0.5688

359.8096, 0.3590,

 3.4472, 0.4158,

0.4007

0.5842

424.0165, 0.3567,
0.3969

■ 1.3694, 0.3891,
0.6109

■ 0.1940, 0.0000,
1.0000

■ 80.1507, 0.3848,
0.4466

■ 80.1507, 0.3848,
0.4466

■ 79.5162, 0.3968,
0.4661

■ 80.9372, 0.3711,
0.4243

■ 79.0118, 0.4066,
0.4818


■ 81.8743, 0.3563,
0.4002

■ 78.6292, 0.4138,
0.4933

■ 82.9744, 0.3410,
0.3752

■ 78.3537, 0.4184,
0.5005

■ 84.2457, 0.3257,
0.3502


 78.1640, 0.4206,
0.5037

 85.6959, 0.3109,
0.3259

 78.1423, 0.4208,
0.5040

 86.6812, 0.3025,
0.3123

 86.8006, 0.3025,
0.3125

 86.9200, 0.3025,
0.3127

 87.0397, 0.3025,
0.3129

Harmonies

Analogous

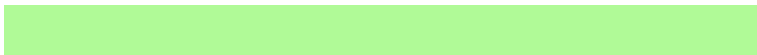
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1507, 0.4311, 0.4131



80.1507, 0.3848, 0.4466



80.1507, 0.3219, 0.4456

Triad

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



80.1507, 0.3848, 0.4466



80.1507, 0.1959, 0.2708



80.1507, 0.3600, 0.2702

Complementary

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



80.1507, 0.3848, 0.4466



24.4919, 0.2197, 0.1761

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.



80.1507, 0.2919, 0.2389



80.1507, 0.3848, 0.4466



80.1507, 0.2034, 0.2357

Square

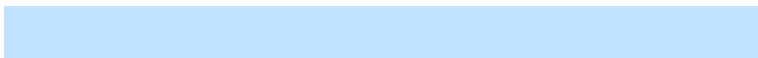
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1507, 0.3848, 0.4466



80.1507, 0.2150, 0.3308



80.1507, 0.2363, 0.2261



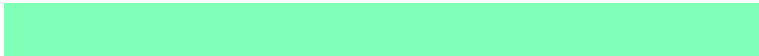
80.1507, 0.4190, 0.3146

Rectangle

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



80.1507, 0.3848, 0.4466



80.1507, 0.2793, 0.4195



80.1507, 0.2363, 0.2261



80.1507, 0.3371, 0.2580

Sweetspot

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



80.1544, 0.3848, 0.4466



97.5672, 0.3353, 0.3660



33.5635, 0.4472, 0.3273



20.8183, 0.3386, 0.3713



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.



80.1544, 0.3848, 0.4466



93.0352, 0.3963, 0.4652



72.4958, 0.3433, 0.4663



18.4344, 0.3268, 0.3521



43.6059, 0.4208, 0.5041



3.6351, 0.4206, 0.5042

Inverse Universe

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



24.4919, 0.2197, 0.1761



21.1556, 0.1998, 0.1431



29.5805, 0.2634, 0.1911



15.2505, 0.2979, 0.3048



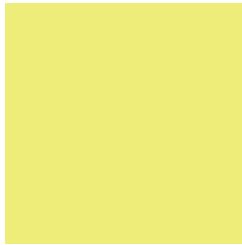
3.4782, 0.1502, 0.0605



0.2970, 0.1506, 0.0620

Previews

White Background



This preview shows how the Yxy color 80.1507, 0.3848, 0.4466 looks on a white background.

Color Contrast Check

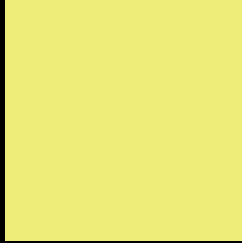
Large Text (above 18pt) WCAG AA × Fail

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 80.1507, 0.3848, 0.4466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

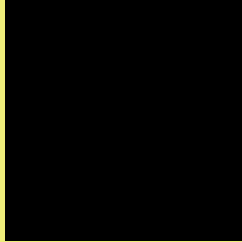
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1507, 0.3848, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 80.1507, 0.3848, 0.4466.



This preview shows how white text looks on a background with the Yxy color 80.1507, 0.3848, 0.4466.

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

80.1507, 0.3848, 0.4466

Protanopia

79.7923, 0.4010, 0.4368

Deuteranopia

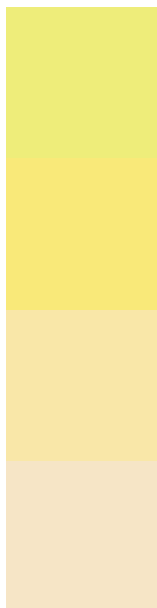
80.0932, 0.3551, 0.3626



Tritanopia

80.1714, 0.3205, 0.3121

Trichromacy



Original Color

80.1507, 0.3848, 0.4466

Protanomaly

79.7980, 0.3955, 0.4405

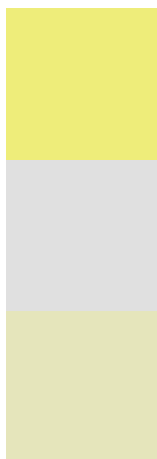
Deuteranomaly

80.1187, 0.3673, 0.3939

Tritanomaly

79.7087, 0.3453, 0.3611

Monochromacy



Original Color

80.1507, 0.3848, 0.4466

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

76.2845, 0.3403, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1507, 0.3848, 0.4466 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(238, 237, 122)` looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 122)  
}
```

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(238, 237, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 122) }
```

Border

The CSS property to change the border of an element to Yxy 80.1507, 0.3848, 0.4466 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(238, 237, 122) }
```

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

```
.border{ border-color:rgb(238, 237, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 237, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 122);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1507, 0.3848, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 122) }
```

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

```
.background{ background-color: rgb(238,  
237, 122) }
```

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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