

Converting Colors

$Yxy(79.9357, 0.3801, 0.4288)$

Have a look what the booklet for
Yxy(79.9357, 0.3801, 0.4288)
contains.

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Color

Yxy(80.1289, 0.3796, 0.4289)

Conversions

Conversions Part 1

Format	Color
Hex	F2EB8A
RGB	242, 235, 138
RGB Percent	95%, 92%, 54%
CMY	0.0509, 0.0784, 0.4588
CMYK	0.00, 0.03, 0.43, 0.05
HSL	56°, 80%, 75%
HSV	56°, 43%, 95%
XYZ	70.9185, 80.1289, 35.7768
YIQ	226.0350, 35.3090, -28.6830

Conversions

Conversions Part 2

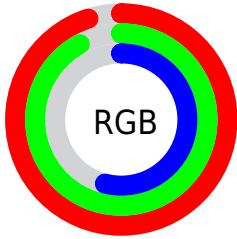
Format	Color
R_{YB}	146, 242, 138
Decimal	15920010
CIE Lab	91.74, -10.91, 47.75
CIE LCh	92, 48.983, 102.867
Yxy	80.1289, 0.3796, 0.4289
Android (android.graphics.Color)	4294110090 (0xFFFF2EB8A)
YUV	226.0350, -43.4013, 14.0013
Hunter-Lab	89.5147, -15.2334, 38.9636

Details

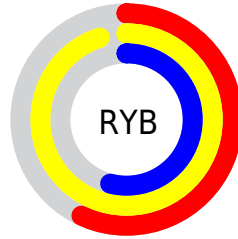
The Yxy color **80.1289, 0.3796, 0.4289** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.0753, 0.2334, 0.2043**, and the grayscale version is **76.3849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **43.1024, 0.3921, 0.4499** is the 20% darker color. If you saturate the color by 10%, you get **78.5773, 0.3940, 0.4493**, and if you desaturate by 10%, it is **81.8526, 0.3641, 0.4064**.

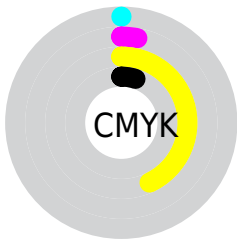
Distribution



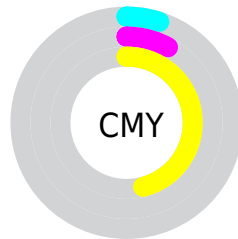
- Red (95%)
- Green (92%)
- Blue (54%)



- Red (57%)
- Yellow (95%)
- Blue (54%)



- Cyan (0%)
- Magenta (3%)
- Yellow (43%)
- Black (5%)




- Cyan (5%)
- Magenta (8%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1289, 0.3796, 0.4289 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 80.1289, 0.3796, 0.4289 by changing the saturation by 10% instead.


 80.1289, 0.3796,
0.4289

 80.1289, 0.3796,
0.4289


495.3671, 0.3508,
0.3836

 59.8244, 0.3854,
0.4387


 133.5469, 0.3702,
0.4135

 43.2771, 0.3922,
0.4505


 167.4293, 0.3663,
0.4075

 30.1026, 0.4001,
0.4649


 206.6064, 0.3629,
0.4022

 19.9165, 0.4090,
0.4824

251.4627, 0.3599,
0.3975

 12.3344, 0.4187,
0.5040

302.3825, 0.3573,
0.3934

 6.9718, 0.4300,
0.5327

359.7502, 0.3549,

 3.4445, 0.4356,

0.3898

0.5644

423.9503, 0.3527,
0.3865

■ 1.3680, 0.4164,
0.5836

■ 0.1929, 0.0000,
1.0000

■ 80.1289, 0.3796,
0.4289

■ 80.1289, 0.3796,
0.4289

■ 78.5773, 0.3940,
0.4493

■ 81.8526, 0.3641,
0.4064

■ 77.1763, 0.4066,
0.4667

■ 83.7470, 0.3482,
0.3828

■ 75.9177, 0.4170,
0.4803


■ 85.8244, 0.3324,
0.3590


■ 74.7879, 0.4247,
0.4894

■ 88.0931, 0.3171,
0.3358

 73.7704, 0.4296,
0.4941


 90.2991, 0.3050,
0.3174

 73.1051, 0.4318,
0.4953

 91.2815, 0.3049,
0.3190

 92.2725, 0.3049,
0.3206

 93.2723, 0.3049,
0.3222

 94.2809, 0.3049,
0.3238

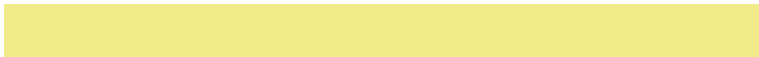
Harmonies

Analogous

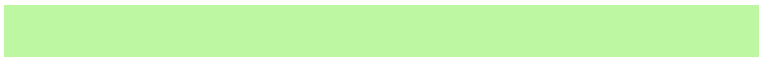
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1289, 0.4171, 0.4004



80.1289, 0.3796, 0.4289



80.1289, 0.3260, 0.4288

Triad

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



80.1289, 0.3796, 0.4289



80.1289, 0.2113, 0.2831



80.1289, 0.3492, 0.2754

Complementary

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



80.1289, 0.3796, 0.4289



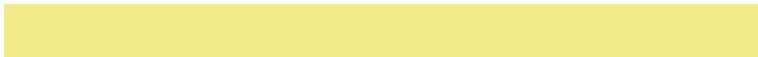
32.0753, 0.2334, 0.2043

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.



80.1289, 0.2911, 0.2488



80.1289, 0.3796, 0.4289



80.1289, 0.2161, 0.2499

Square

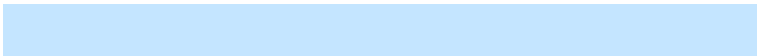
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1289, 0.3796, 0.4289



80.1289, 0.2304, 0.3357



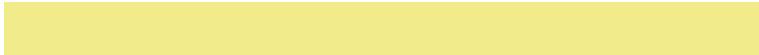
80.1289, 0.2437, 0.2391



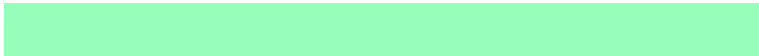
80.1289, 0.4005, 0.3142

Rectangle

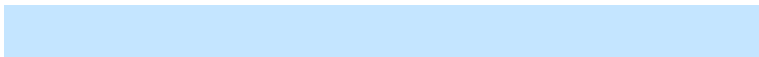
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1289, 0.3796, 0.4289



80.1289, 0.2888, 0.4084



80.1289, 0.2437, 0.2391



80.1289, 0.3296, 0.2649

Sweetspot

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



80.1326, 0.3796, 0.4289



96.6275, 0.3325, 0.3592



39.1570, 0.4161, 0.3198



20.5676, 0.3360, 0.3644



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

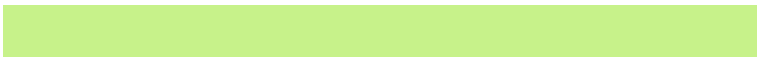
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1326, 0.3796, 0.4289



88.6204, 0.3928, 0.4478



77.4478, 0.3455, 0.4474



18.2657, 0.3270, 0.3508



39.3483, 0.4316, 0.4955



3.3279, 0.4298, 0.4969

Inverse Universe

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



32.0753, 0.2334, 0.2043



27.7121, 0.2141, 0.1730



34.4579, 0.2649, 0.2063



15.3998, 0.2979, 0.3062



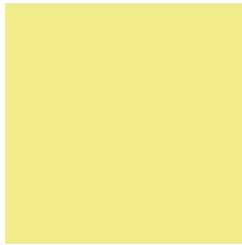
3.7163, 0.1512, 0.0642



0.3687, 0.1542, 0.0751

Previews

White Background



This preview shows how the Yxy color 80.1289, 0.3796, 0.4289 looks on a white background.

Color Contrast Check

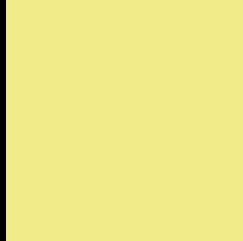
Large Text (above 18pt) WCAG AA × Fail

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 80.1289, 0.3796, 0.4289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

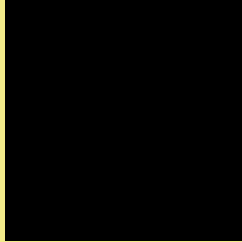
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1289, 0.3796, 0.4289

Background



This preview shows how black text looks on a background with the Yxy color 80.1289, 0.3796, 0.4289.

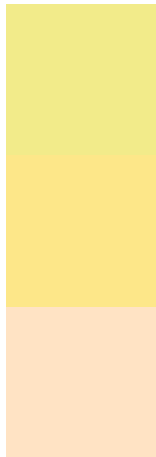


This preview shows how white text looks on a background with the Yxy color 80.1289, 0.3796, 0.4289.

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

80.1289, 0.3796, 0.4289

Protanopia

79.8406, 0.3902, 0.4232

Deuteranopia

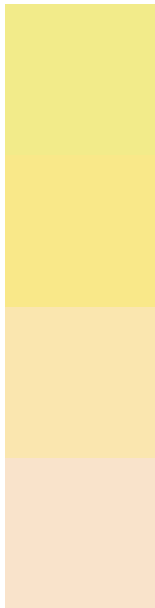
80.1837, 0.3537, 0.3605



Tritanopia

79.9493, 0.3226, 0.3122

Trichromacy



Original Color

80.1289, 0.3796, 0.4289

Protanomaly

79.6591, 0.3867, 0.4253

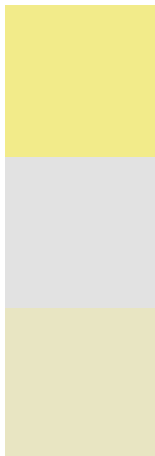
Deuteranomaly

80.0128, 0.3637, 0.3856

Tritanomaly

79.3897, 0.3445, 0.3537

Monochromacy



Original Color

80.1289, 0.3796, 0.4289

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.0895, 0.3378, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1289, 0.3796, 0.4289 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(242, 235, 138)` looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 138)  
}
```

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(242, 235, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 138) }
```

Border

The CSS property to change the border of an element to Yxy 80.1289, 0.3796, 0.4289 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(242, 235, 138) }
```

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

```
.border{ border-color:rgb(242, 235, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 138);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1289, 0.3796, 0.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 138) }
```

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

```
.background{ background-color: rgb(242,  
235, 138) }
```

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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