

Converting Colors

$Y_{xy}(100.0000, 0.4350, 0.3785)$

Have a look what the booklet for
Yxy(100.0000, 0.4350, 0.3785)
contains.

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Color

Yxy(80.0518, 0.3738, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5A6
RGB	255, 229, 166
RGB Percent	100%, 90%, 65%
CMY	0.0000, 0.1019, 0.3491
CMYK	0.00, 0.10, 0.35, 0.00
HSL	42°, 100%, 83%
HSV	42°, 35%, 100%
XYZ	76.1409, 80.0518, 47.5015
YIQ	229.5920, 35.7190, -14.0810

Conversions

Conversions Part 2

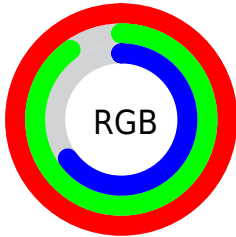
Format	Color
R _Y B	203, 255, 166
Decimal	16770470
CIE Lab	91.71, 0.11, 34.02
CIE LCh	92, 34.018, 89.815
Yxy	80.0518, 0.3738, 0.3930
Android (android.graphics.Color)	4294960550 (0xFFFFE5A6)
YUV	229.5920, -31.3509, 22.2828
Hunter-Lab	89.4717, -4.6710, 31.1525

Details

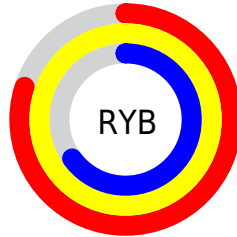
The Yxy color **80.0518, 0.3738, 0.3930** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.0089, 0.2533, 0.2552**, and the grayscale version is **79.0299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **43.3347, 0.3871, 0.4077** is the 20% darker color. If you saturate the color by 10%, you get **75.1778, 0.3937, 0.4110**, and if you desaturate by 10%, it is **85.2944, 0.3547, 0.3743**.

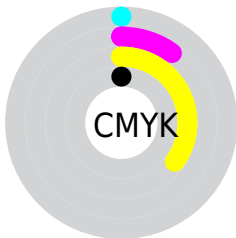
Distribution



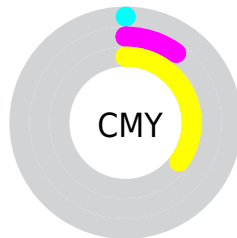
- Red (100%)
- Green (90%)
- Blue (65%)



- Red (80%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (10%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0518, 0.3738, 0.3930 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 80.0518, 0.3738, 0.3930 by changing the saturation by 10% instead.

 80.0518, 0.3738,
0.3930

 80.0518, 0.3738,
0.3930

495.1074, 0.3464,
0.3643

 59.7610, 0.3798,
0.3993


 133.4386, 0.3645,
0.3833

 43.2260, 0.3870,
0.4068


 167.3033, 0.3608,
0.3794

 30.0625, 0.3958,
0.4160


206.4614, 0.3576,
0.3761

 19.8860, 0.4068,
0.4275

251.2974, 0.3548,
0.3731

 12.3122, 0.4207,
0.4421

302.1956, 0.3523,
0.3705

 6.9567, 0.4384,
0.4605

359.5404, 0.3501,

 3.4350, 0.4711,

0.3682

0.4946

423.7162, 0.3482,
0.3661

■ 1.3628, 0.4880,
0.5120

■ 0.1891, 0.4910,
0.5090

■ 80.0518, 0.3738,
0.3930

■ 80.0518, 0.3738,
0.3930

■ 75.1778, 0.3937,
0.4110

■ 85.2944, 0.3547,
0.3743

■ 70.6497, 0.4138,
0.4274

■ 90.9083, 0.3367,
0.3556

■ 66.4562, 0.4333,
0.4410

■ 96.9082, 0.3203,
0.3376

■ 62.5812, 0.4511,
0.4507

100.0000, 0.3127,
0.3290

■ 59.0065, 0.4665,
0.4557

■ 55.7100, 0.4786,
0.4556

■ 54.1245, 0.4838,
0.4540

Harmonies

Analogous

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



80.0518, 0.3911, 0.3692



80.0518, 0.3738, 0.3930



80.0518, 0.3404, 0.4003

Triad

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



80.0518, 0.3738, 0.3930



80.0518, 0.2443, 0.3130



80.0518, 0.3209, 0.2808

Complementary

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



80.0518, 0.3738, 0.3930



53.0089, 0.2533, 0.2552

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.



80.0518, 0.2820, 0.2664



80.0518, 0.3738, 0.3930



80.0518, 0.2398, 0.2824

Square

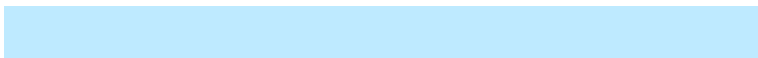
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0518, 0.3738, 0.3930



80.0518, 0.2660, 0.3517



80.0518, 0.2531, 0.2664



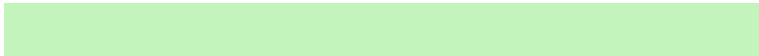
80.0518, 0.3598, 0.3062

Rectangle

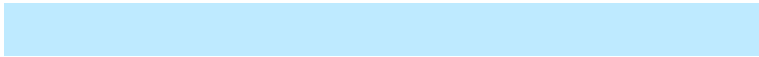
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0518, 0.3738, 0.3930



80.0518, 0.3140, 0.3927



80.0518, 0.2531, 0.2664



80.0518, 0.3073, 0.2746

Sweetspot

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



80.0550, 0.3738, 0.3930



93.8065, 0.3285, 0.3467



52.3592, 0.3709, 0.3013



19.8989, 0.3308, 0.3492



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

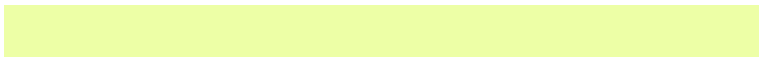
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0550, 0.3738, 0.3930



76.5615, 0.3879, 0.4059



92.3103, 0.3533, 0.4201



20.1421, 0.3276, 0.3458



28.5518, 0.4825, 0.4551



2.9689, 0.4735, 0.4622

Inverse Universe

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



53.0089, 0.2533, 0.2552



45.8148, 0.2401, 0.2371



44.6462, 0.2615, 0.2271



18.2417, 0.2979, 0.3117



6.5853, 0.1604, 0.0975



0.8201, 0.1665, 0.1193

Previews

White Background



This preview shows how the Yxy color 80.0518, 0.3738, 0.3930 looks on a white background.

Color Contrast Check

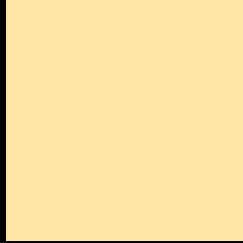
Large Text (above 18pt) WCAG AA × Fail

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 80.0518, 0.3738, 0.3930 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 80.0518, 0.3738, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 80.0518, 0.3738, 0.3930.



This preview shows how white text looks on a background with the Yxy color 80.0518, 0.3738, 0.3930.

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

80.0518, 0.3738, 0.3930

Protanopia

80.0816, 0.3680, 0.3949

Deuteranopia

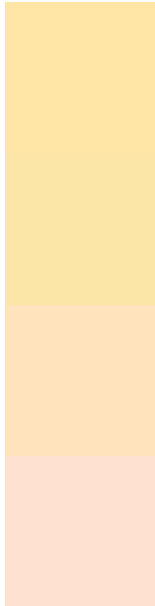
79.8698, 0.3505, 0.3544



Tritanopia

80.0335, 0.3274, 0.3172

Trichromacy



Original Color

80.0518, 0.3738, 0.3930

Protanomaly

79.8929, 0.3698, 0.3936

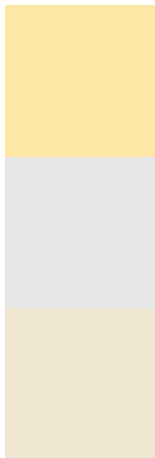
Deuteranomaly

79.8290, 0.3593, 0.3687

Tritanomaly

79.7636, 0.3444, 0.3442

Monochromacy



Original Color

80.0518, 0.3738, 0.3930

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.4493, 0.3340, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0518, 0.3738, 0.3930 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(255, 229, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 166)  
}
```

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(255, 229, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 166) }
```

Border

The CSS property to change the border of an element to Yxy 80.0518, 0.3738, 0.3930 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(255, 229, 166) }
```

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

```
.border{ border-color:rgb(255, 229, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 166); box-shadow:4px 4px 4px 4px rgb(255, 229, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0518, 0.3738, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 166) }
```

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

```
.background{ background-color: rgb(255,  
229, 166) }
```

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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