

Converting Colors

$Yxy(80.9520, 0.3856, 0.4417)$

Have a look what the booklet for
Yxy(80.9520, 0.3856, 0.4417)
contains.

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Color

Yxy(80.9520, 0.3856, 0.4417)

Conversions

Conversions Part 1

Format	Color
Hex	F2ED7E
RGB	242, 237, 126
RGB Percent	95%, 93%, 49%
CMY	0.0510, 0.0706, 0.5057
CMYK	0.00, 0.02, 0.48, 0.05
HSL	57°, 82%, 72%
HSV	57°, 48%, 95%
XYZ	70.6703, 80.9520, 31.6514
YIQ	225.8410, 38.6110, -33.4610

Conversions

Conversions Part 2

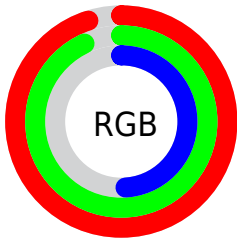
Format	Color
R _Y B	131, 242, 126
Decimal	15920510
CIE Lab	92.11, -13.02, 53.91
CIE LCh	92, 55.460, 103.580
Yxy	80.9520, 0.3856, 0.4417
Android (android.graphics.Color)	4294110590 (0xFFF2ED7E)
YUV	225.8410, -49.2216, 14.1714
Hunter-Lab	89.9733, -17.2489, 42.1239

Details

The Yxy color **80.9520, 0.3856, 0.4417** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.0918, 0.2223, 0.1838**, and the grayscale version is **76.2787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **43.7191, 0.3990, 0.4652** is the 20% darker color. If you saturate the color by 10%, you get **79.8023, 0.3986, 0.4610**, and if you desaturate by 10%, it is **82.2638, 0.3711, 0.4197**.

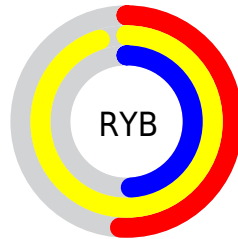
Distribution



Red (95%)

Green (93%)

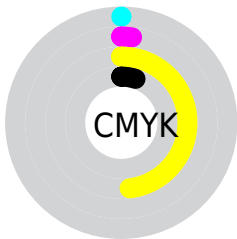
Blue (49%)



Red (51%)

Yellow (95%)

Blue (49%)

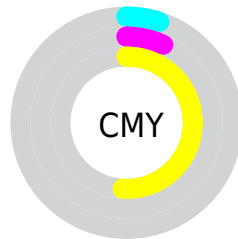


Cyan (0%)

Magenta (2%)

Yellow (48%)

Black (5%)



Cyan (5%)


Magenta (7%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9520, 0.3856, 0.4417 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 80.9520, 0.3856, 0.4417 by changing the saturation by 10% instead.

 80.9520, 0.3856,
0.4417

 80.9520, 0.3856,
0.4417


498.1354, 0.3548,
0.3909


 60.5021, 0.3916,
0.4526

 134.7034, 0.3757,
0.4246

 43.8234, 0.3984,
0.4655


 168.7736, 0.3716,
0.4178

 30.5317, 0.4061,
0.4809


 208.1527, 0.3680,
0.4119

 20.2425, 0.4144,
0.4995

253.2251, 0.3648,
0.4066

 12.5715, 0.4224,
0.5216

304.3752, 0.3619,
0.4020

 7.1341, 0.4355,
0.5566

361.9873, 0.3593,

 3.5461, 0.4259,

0.3979

0.5741

426.4459, 0.3569,
0.3942

■ 1.4231, 0.4033,
0.5967

■ 0.2336, 0.0000,
1.0000

■ 80.9520, 0.3856,
0.4417

■ 80.9520, 0.3856,
0.4417

■ 79.8023, 0.3986,
0.4610

■ 82.2638, 0.3711,
0.4197

■ 78.7924, 0.4095,
0.4768


■ 83.7364, 0.3557,
0.3961


■ 77.9135, 0.4179,
0.4884


■ 85.3827, 0.3400,
0.3718


■ 77.1506, 0.4235,
0.4956

■ 87.2112, 0.3246,
0.3476

 76.4836, 0.4267,
0.4986


 89.2298, 0.3097,
0.3242

 76.3506, 0.4272,
0.4990

 90.3553, 0.3050,
0.3175

 90.9822, 0.3049,
0.3185

 91.6126, 0.3049,
0.3195

 92.2466, 0.3049,
0.3205

Harmonies

Analogous

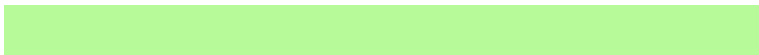
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9520, 0.4290, 0.4087



80.9520, 0.3856, 0.4417



80.9520, 0.3252, 0.4423

Triad

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



80.9520, 0.3856, 0.4417



80.9520, 0.1997, 0.2754



80.9520, 0.3551, 0.2701

Complementary

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



80.9520, 0.3856, 0.4417



27.0918, 0.2223, 0.1838

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.



80.9520, 0.2895, 0.2404



80.9520, 0.3856, 0.4417



80.9520, 0.2057, 0.2398

Square

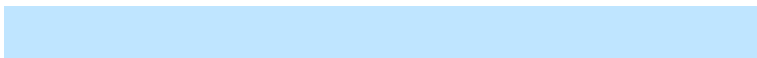
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9520, 0.3856, 0.4417



80.9520, 0.2198, 0.3344



80.9520, 0.2365, 0.2291



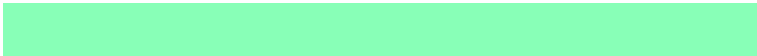
80.9520, 0.4130, 0.3129

Rectangle

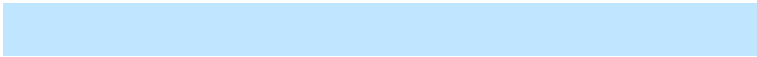
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9520, 0.3856, 0.4417



80.9520, 0.2837, 0.4186



80.9520, 0.2365, 0.2291



80.9520, 0.3329, 0.2585

Sweetspot

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



80.9557, 0.3856, 0.4417



96.9326, 0.3340, 0.3624



35.4707, 0.4394, 0.3231



20.6544, 0.3373, 0.3676



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.



80.9557, 0.3856, 0.4417



89.8444, 0.3989, 0.4615



75.9363, 0.3457, 0.4628



18.3354, 0.3269, 0.3513



41.0695, 0.4270, 0.4991



3.4525, 0.4259, 0.5000

Inverse Universe

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



27.0918, 0.2223, 0.1838



22.2682, 0.2010, 0.1488



30.8338, 0.2611, 0.1921



15.3379, 0.2979, 0.3056



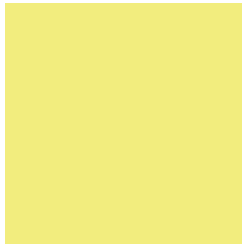
3.6157, 0.1508, 0.0627



0.3390, 0.1527, 0.0697

Previews

White Background



This preview shows how the Yxy color 80.9520, 0.3856, 0.4417 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 80.9520, 0.3856, 0.4417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

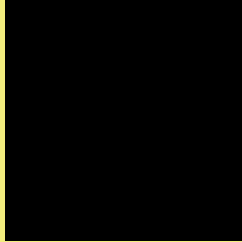
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.9520, 0.3856, 0.4417

Background



This preview shows how black text looks on a background with the Yxy color 80.9520, 0.3856, 0.4417.



This preview shows how white text looks on a background with the Yxy color 80.9520, 0.3856, 0.4417.

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

80.9520, 0.3856, 0.4417

Protanopia

80.5849, 0.3954, 0.4298

Deuteranopia

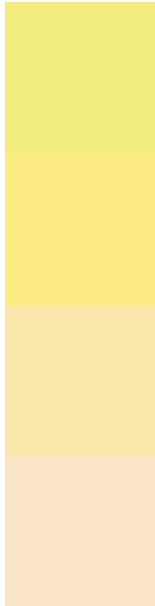
80.8240, 0.3521, 0.3595



Tritanopia

80.7330, 0.3226, 0.3123

Trichromacy



Original Color

80.9520, 0.3856, 0.4417

Protanomaly

80.7546, 0.3913, 0.4340

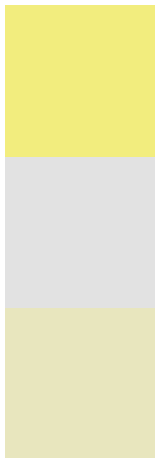
Deuteranomaly

80.4544, 0.3654, 0.3896

Tritanomaly

80.4861, 0.3476, 0.3598

Monochromacy



Original Color

80.9520, 0.3856, 0.4417

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.4671, 0.3403, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9520, 0.3856, 0.4417 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, 237, 126)` looks like.

```
.text, #text, p{  
    color:rgb(242, 237, 126)  
}
```

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, 237, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 237, 126) }
```

Border

The CSS property to change the border of an element to Yxy 80.9520, 0.3856, 0.4417 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, 237, 126) }
```

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

```
.border{ border-color:rgb(242, 237, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 237, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 237, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 237, 126);  
box-shadow:4px 4px 4px 4px rgb(242, 237,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9520, 0.3856, 0.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 237, 126) }
```

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

```
.background{ background-color: rgb(242,  
237, 126) }
```

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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