

# Converting Colors

$Y_{xy}(93.7724, 0.4503, 0.4236)$

Have a look what the booklet for  
Yxy(93.7724, 0.4503, 0.4236)  
contains.

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# **Color**

**Yxy(80.1209, 0.4059, 0.4457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE86F
RGB	255, 232, 111
RGB Percent	100%, 91%, 44%
CMY	0.0000, 0.0902, 0.5644
CMYK	0.00, 0.09, 0.56, 0.00
HSL	50°, 100%, 72%
HSV	50°, 56%, 100%
XYZ	72.9663, 80.1209, 26.6770
YIQ	225.0830, 52.5490, -32.7550

# Conversions

## Conversions Part 2

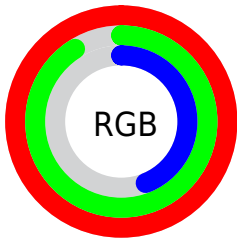
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	138, 255, 111
Decimal	16771183
CIE <sub>Lab</sub>	91.74, -6.57, 60.61
CIE <sub>LCh</sub>	92, 60.964, 96.186
Yxy	80.1209, 0.4059, 0.4457
Android (android.graphics.Color)	4294961263 (0xFFFFE86F)
YUV	225.0830, -56.2429, 26.2372
Hunter-Lab	89.5103, -11.1348, 44.9868

# Details

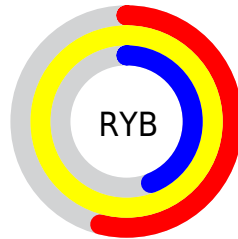
The Yxy color **80.1209, 0.4059, 0.4457** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.6681, 0.2085, 0.1740**, and the grayscale version is **75.7478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **43.3418, 0.4213, 0.4686** is the 20% darker color. If you saturate the color by 10%, you get **77.3743, 0.4206, 0.4608**, and if you desaturate by 10%, it is **83.0885, 0.3896, 0.4275**.

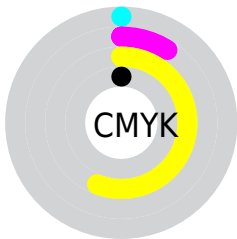
# Distribution



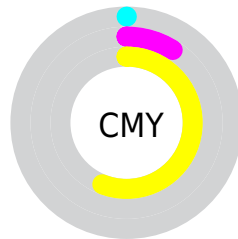
- Red (100%)
- Green (91%)
- Blue (44%)



- Red (54%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (9%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1209, 0.4059, 0.4457 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 80.1209, 0.4059, 0.4457 by changing the saturation by 10% instead.





 80.1209, 0.4059,  
0.4457

 80.1209, 0.4059,  
0.4457


495.3402, 0.3665,  
0.3946


 59.8178, 0.4135,  
0.4561


 133.5357, 0.3933,  
0.4289

 43.2718, 0.4221,  
0.4681


 167.4162, 0.3880,  
0.4221

 30.0985, 0.4317,  
0.4820


 206.5914, 0.3834,  
0.4161

 19.9133, 0.4419,  
0.4978

251.4455, 0.3793,  
0.4108

 12.3321, 0.4518,  
0.5151

302.3631, 0.3756,  
0.4061

 6.9702, 0.4630,  
0.5370

359.7285, 0.3722,

 3.4435, 0.4565,

0.4019

0.5435

423.9260, 0.3692,  
0.3981

■ 1.3674, 0.4451,  
0.5549

■ 0.1925, 0.1052,  
0.8948

■ 80.1209, 0.4059,  
0.4457

■ 80.1209, 0.4059,  
0.4457

■ 77.3743, 0.4206,  
0.4608

■ 83.0885, 0.3896,  
0.4275

■ 74.8229, 0.4330,  
0.4718


■ 86.2785, 0.3726,  
0.4071


■ 72.4538, 0.4426,  
0.4781

■ 89.7062, 0.3554,  
0.3855

■ 70.2459, 0.4493,  
0.4799

■ 93.3821, 0.3385,  
0.3637

 69.4882, 0.4513,  
0.4799

 97.3162, 0.3225,  
0.3423

99.9982, 0.3127,  
0.3290

# Harmonies

## Analogous

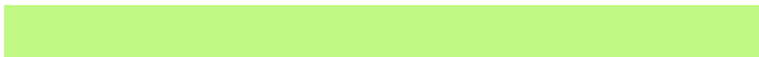
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1209, 0.4470, 0.4028



80.1209, 0.4059, 0.4457



80.1209, 0.3425, 0.4590

# Triad

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



80.1209, 0.4059, 0.4457



80.1209, 0.1923, 0.2832



80.1209, 0.3410, 0.2553

# Complementary

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



80.1209, 0.4059, 0.4457



27.6681, 0.2085, 0.1740

# 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.



80.1209, 0.2707, 0.2277



80.1209, 0.4059, 0.4457



80.1209, 0.1922, 0.2381

# Square

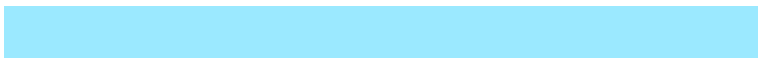
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1209, 0.4059, 0.4457



80.1209, 0.2205, 0.3530



80.1209, 0.2188, 0.2207



80.1209, 0.4099, 0.2984

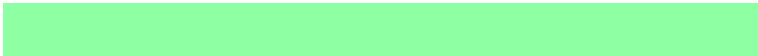


# Rectangle

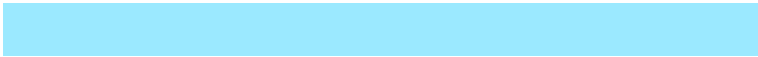
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1209, 0.4059, 0.4457



80.1209, 0.2965, 0.4412



80.1209, 0.2188, 0.2207



80.1209, 0.3164, 0.2440

# Sweetspot

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



80.1247, 0.4059, 0.4457



93.1781, 0.3395, 0.3649



34.3930, 0.4557, 0.3055



19.7821, 0.3428, 0.3693



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

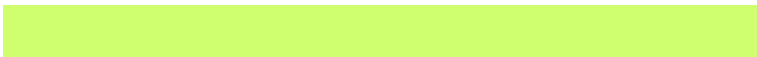
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1247, 0.4059, 0.4457



76.9705, 0.4227, 0.4628



85.9310, 0.3605, 0.4813



20.5675, 0.3273, 0.3488



36.4968, 0.4507, 0.4804



3.6801, 0.4465, 0.4837



# Inverse Universe

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



27.6681, 0.2085, 0.1740



19.9954, 0.1874, 0.1388



25.9786, 0.2354, 0.1607



17.8461, 0.2979, 0.3084



4.7288, 0.1537, 0.0734



0.5883, 0.1585, 0.0907



# Previews

## White Background



This preview shows how the Yxy color 80.1209, 0.4059, 0.4457 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 80.1209, 0.4059, 0.4457 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 80.1209, 0.4059, 0.4457**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1209, 0.4059, 0.4457.



This preview shows how white text looks on a background with the Yxy color 80.1209, 0.4059, 0.4457.

# 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

80.1209, 0.4059, 0.4457

### Protanopia

80.3537, 0.4005, 0.4376

### Deuteranopia

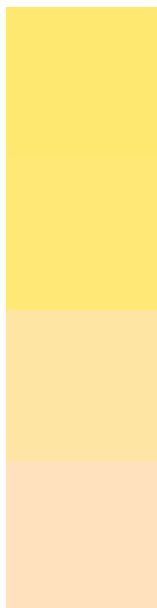
80.0932, 0.3551, 0.3626



## Tritanopia

79.9759, 0.3281, 0.3181

# Trichromacy



## Original Color

80.1209, 0.4059, 0.4457

## Protanomaly

80.2576, 0.4027, 0.4409

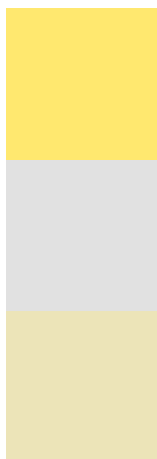
## Deuteranomaly

79.9790, 0.3751, 0.3950

## Tritanomaly

79.3268, 0.3588, 0.3667

# Monochromacy



## Original Color

80.1209, 0.4059, 0.4457

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

76.7804, 0.3476, 0.3760

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1209, 0.4059, 0.4457 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, 232, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 111)  
}
```

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, 232, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1209, 0.4059, 0.4457 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, 232, 111) }
```

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

```
.border{ border-color:rgb(255, 232, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1209, 0.4059, 0.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 111) }
```

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

```
.background{ background-color: rgb(255,  
232, 111) }
```

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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