

Converting Colors

$Yxy(81.4059, 0.3757, 0.4487)$

Have a look what the booklet for
Yxy(81.4059, 0.3757, 0.4487)
contains.

Yxy(81.4059, 0.3757, 0.4487)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.4059, 0.3757, 0.4487)

Conversions

Conversions Part 1

Format	Color
Hex	E7F17E
RGB	231, 241, 126
RGB Percent	91%, 95%, 49%
CMY	0.0944, 0.0548, 0.5059
CMYK	0.04, 0.00, 0.48, 0.05
HSL	65°, 80%, 72%
HSV	65°, 48%, 95%
XYZ	68.1618, 81.4059, 31.8584
YIQ	224.9000, 30.9550, -37.8850

Conversions

Conversions Part 2

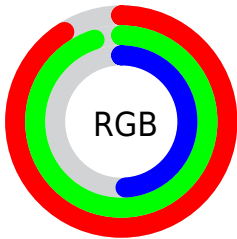
Format	Color
RYB	126, 241, 136
Decimal	15200638
CIELab	92.31, -19.32, 53.97
CIELCh	92, 57.322, 109.693
Yxy	81.4059, 0.3757, 0.4487
Android (android.graphics.Color)	4293390718 (0xFFE7F17E)
YUV	224.9000, -48.7577, 5.3497
Hunter-Lab	90.2252, -23.0440, 42.2224

Details

The Yxy color **81.4059, 0.3757, 0.4487** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.5156, 0.2286, 0.1809**, and the grayscale version is **75.5559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **44.0632, 0.3857, 0.4750** is the 20% darker color. If you saturate the color by 10%, you get **80.5112, 0.3861, 0.4702**, and if you desaturate by 10%, it is **82.4622, 0.3636, 0.4247**.

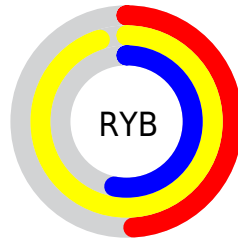
Distribution



Red (91%)

Green (95%)

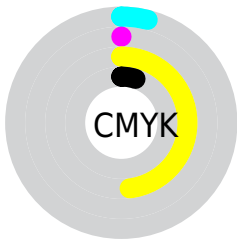
Blue (49%)



Red (49%)

Yellow (95%)

Blue (53%)

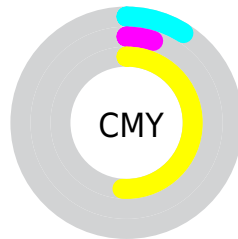


Cyan (4%)

Magenta (0%)

Yellow (48%)

Black (5%)



Cyan (9%)


Magenta (5%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4059, 0.3757, 0.4487 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 81.4059, 0.3757, 0.4487 by changing the saturation by 10% instead.


 81.4059, 0.3757,
0.4487


 81.4059, 0.3757,
0.4487


499.6583, 0.3497,
0.3940

 60.8760, 0.3806,
0.4606


 135.3406, 0.3675,
0.4301

 44.1251, 0.3861,
0.4749


 169.5141, 0.3640,
0.4228

 30.7688, 0.3920,
0.4921


 209.0042, 0.3610,
0.4164

 20.4229, 0.3979,
0.5132

254.1954, 0.3582,
0.4108

 12.7028, 0.4029,
0.5388

305.4720, 0.3558,
0.4059

 7.2242, 0.4111,
0.5792


363.2184, 0.3535,


 3.6027, 0.3956,


0.4015

0.6044


427.8190, 0.3515,
0.3976


 1.4539, 0.3617,
0.6383


 0.2560, 0.0000,
1.0000

 81.4059, 0.3757,
0.4487


 81.4059, 0.3757,
0.4487


 80.5112, 0.3861,
0.4702


 82.4622, 0.3636,
0.4247

 79.7559, 0.3944,
0.4883


 83.6787, 0.3505,
0.3993

 79.1313, 0.4001,
0.5022

 85.0682, 0.3368,
0.3735


 78.6228, 0.4032,
0.5115


 86.6392, 0.3231,
0.3480

 78.2106, 0.4038,
0.5167

 88.3993, 0.3097,
0.3235

 78.1234, 0.4038,
0.5176

 89.3089, 0.3060,
0.3153

 89.6883, 0.3074,
0.3153

 90.0720, 0.3087,
0.3154

 90.4601, 0.3101,
0.3155

Harmonies

Analogous

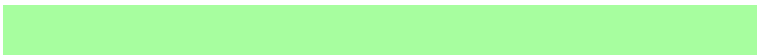
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4059, 0.4254, 0.4193



81.4059, 0.3757, 0.4487



81.4059, 0.3120, 0.4409

Triad

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



81.4059, 0.3757, 0.4487



81.4059, 0.1958, 0.2640



81.4059, 0.3700, 0.2765

Complementary

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



81.4059, 0.3757, 0.4487



26.5156, 0.2286, 0.1809

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.



81.4059, 0.3019, 0.2428



81.4059, 0.3757, 0.4487



81.4059, 0.2072, 0.2330

Square

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



81.4059, 0.3757, 0.4487



81.4059, 0.2107, 0.3205



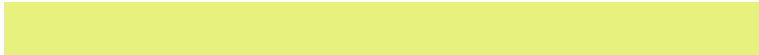
81.4059, 0.2437, 0.2270



81.4059, 0.4251, 0.3221

Rectangle

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



81.4059, 0.3757, 0.4487



81.4059, 0.2704, 0.4107



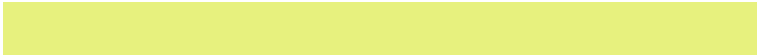
81.4059, 0.2437, 0.2270



81.4059, 0.3475, 0.2636

Sweetspot

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



81.4096, 0.3757, 0.4487



97.3216, 0.3317, 0.3640



37.7033, 0.4398, 0.3398



20.7505, 0.3347, 0.3696



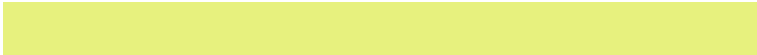
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.4096, 0.3757, 0.4487



91.5612, 0.3856, 0.4691



73.4210, 0.3350, 0.4670



18.3845, 0.3255, 0.3524



42.3857, 0.4040, 0.5174



3.5466, 0.4062, 0.5157

Inverse Universe

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



26.5156, 0.2286, 0.1809



22.4627, 0.2092, 0.1484



32.6246, 0.2747, 0.1976



15.2950, 0.2993, 0.3047



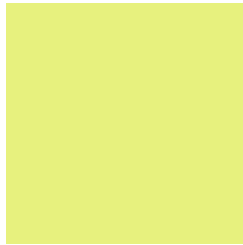
3.5549, 0.1529, 0.0616



0.3182, 0.1597, 0.0653

Previews

White Background



This preview shows how the Yxy color 81.4059, 0.3757, 0.4487 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 81.4059, 0.3757, 0.4487 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 81.4059, 0.3757, 0.4487

Background



This preview shows how black text looks on a background with the Yxy color 81.4059, 0.3757, 0.4487.

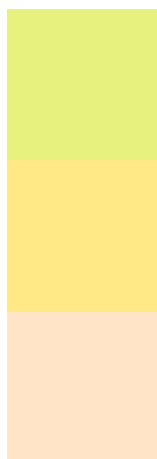


This preview shows how white text looks on a background with the Yxy color 81.4059, 0.3757, 0.4487.

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

81.4059, 0.3757, 0.4487

Protanopia

81.2591, 0.3926, 0.4271

Deuteranopia

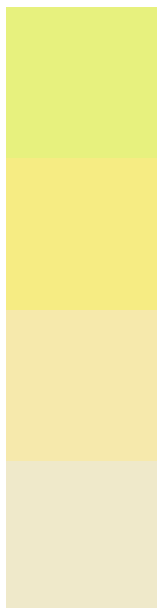
80.8703, 0.3514, 0.3584



Tritanopia

81.3125, 0.3128, 0.3120

Trichromacy



Original Color

81.4059, 0.3757, 0.4487

Protanomaly

81.2224, 0.3862, 0.4351

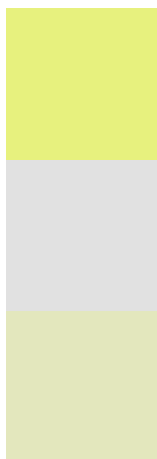
Deuteranomaly

80.8492, 0.3618, 0.3922

Tritanomaly

80.8928, 0.3369, 0.3614

Monochromacy



Original Color

81.4059, 0.3757, 0.4487

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

77.1568, 0.3371, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4059, 0.3757, 0.4487 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(231, 241, 126)` looks like.

```
.text, #text, p{  
    color:rgb(231, 241, 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(231, 241, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 241, 126) }
```

Border

The CSS property to change the border of an element to Yxy 81.4059, 0.3757, 0.4487 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(231, 241, 126) }
```

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

```
.border{ border-color:rgb(231, 241, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 241, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 241, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 241, 126);  
box-shadow:4px 4px 4px 4px rgb(231, 241,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4059, 0.3757, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 241, 126) }
```

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

```
.background{ background-color: rgb(231,  
241, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor