

Converting Colors

$Y_{xy}(85.2351, 0.3728, 0.4126)$

Have a look what the booklet for
Yxy(85.2351, 0.3728, 0.4126)
contains.

Yxy(85.2637, 0.3729, 0.4127)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.2637, 0.3729, 0.4127)

Conversions

Conversions Part 1

Format	Color
Hex	FBF09D
RGB	251, 240, 157
RGB Percent	98%, 94%, 62%
CMY	0.0155, 0.0589, 0.3843
CMYK	0.00, 0.04, 0.37, 0.02
HSL	53°, 92%, 80%
HSV	53°, 37%, 98%
XYZ	77.0410, 85.2637, 44.2950
YIQ	233.8270, 33.1990, -23.4810

Conversions

Conversions Part 2

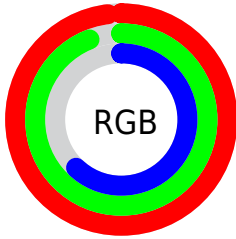
Format	Color
R_{YB}	169, 251, 157
Decimal	16511133
CIE _{Lab}	94.00, -7.93, 41.46
CIE _{LCh}	94, 42.208, 100.831
Yxy	85.2637, 0.3729, 0.4127
Android (android.graphics.Color)	4294701213 (0xFFFBF09D)
YUV	233.8270, -37.8757, 15.0607
Hunter-Lab	92.3383, -12.6635, 36.1953

Details

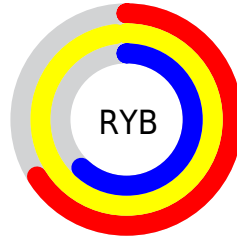
The Yxy color **85.2637, 0.3729, 0.4127** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.1605, 0.2457, 0.2285**, and the grayscale version is **82.4211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **46.6179, 0.3849, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **82.7737, 0.3890, 0.4336**, and if you desaturate by 10%, it is **87.9659, 0.3563, 0.3904**.

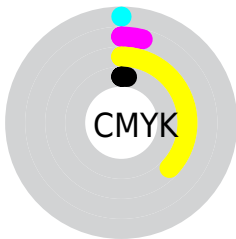
Distribution



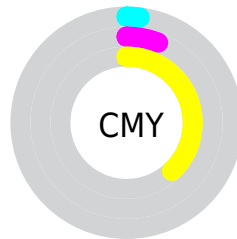
- Red (98%)
- Green (94%)
- Blue (62%)



- Red (66%)
- Yellow (98%)
- Blue (62%)



- Cyan (0%)
- Magenta (4%)
- Yellow (37%)
- Black (2%)




- Cyan (2%)
- Magenta (6%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2637, 0.3729, 0.4127 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 85.2637, 0.3729, 0.4127 by changing the saturation by 10% instead.

 85.2637, 0.3729,
0.4127


 85.2637, 0.3729,
0.4127


512.5002, 0.3468,
0.3751

 64.0593, 0.3783,
0.4209


 140.7415, 0.3642,
0.4000

 46.6987, 0.3848,
0.4307


 175.7838, 0.3608,
0.3949

 32.7975, 0.3924,
0.4427


216.2074, 0.3577,
0.3905

 21.9714, 0.4015,
0.4576

262.3968, 0.3550,
0.3867

 13.8359, 0.4122,
0.4762

314.7364, 0.3526,
0.3833

 8.0066, 0.4243,
0.4996

373.6106, 0.3505,

 4.0992, 0.4521,

0.3803

0.5479

439.4037, 0.3485,
0.3775

■ 1.7292, 0.4401,
0.5599

■ 0.4425, 0.3390,
0.6610

■ 85.2637, 0.3729,
0.4127

■ 85.2637, 0.3729,
0.4127

■ 82.7737, 0.3890,
0.4336

■ 87.9659, 0.3563,
0.3904

■ 80.4731, 0.4040,
0.4522

■ 90.8788, 0.3399,
0.3677

■ 78.3538, 0.4171,
0.4674

■ 94.0154, 0.3240,
0.3452

■ 76.4018, 0.4279,
0.4784

■ 97.2277, 0.3104,
0.3259

■ 74.6009, 0.4358,
0.4849

■ 99.0929, 0.3103,
0.3287

■ 72.9299, 0.4410,
0.4870

■ 99.2572, 0.3103,
0.3290

■ 72.5181, 0.4421,
0.4872

Harmonies

Analogous

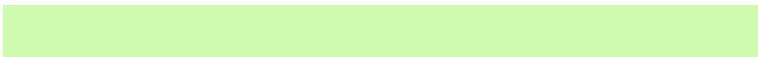
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2637, 0.4028, 0.3887



85.2637, 0.3729, 0.4127



85.2637, 0.3281, 0.4132

Triad

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



85.2637, 0.3729, 0.4127



85.2637, 0.2263, 0.2935



85.2637, 0.3405, 0.2812

Complementary

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



85.2637, 0.3729, 0.4127



42.1605, 0.2457, 0.2285

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.



85.2637, 0.2916, 0.2589



85.2637, 0.3729, 0.4127



85.2637, 0.2289, 0.2632

Square

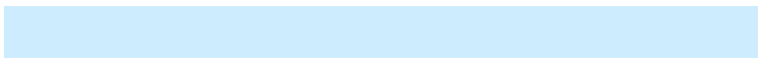
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2637, 0.3729, 0.4127



85.2637, 0.2446, 0.3386



85.2637, 0.2517, 0.2519



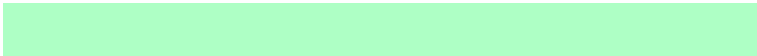
85.2637, 0.3843, 0.3145

Rectangle

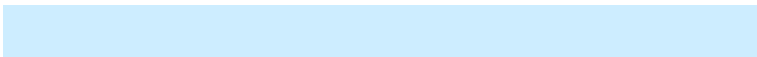
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2637, 0.3729, 0.4127



85.2637, 0.2962, 0.3973



85.2637, 0.2517, 0.2519



85.2637, 0.3240, 0.2723

Sweetspot

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



85.2676, 0.3729, 0.4127



96.2383, 0.3296, 0.3531



47.5167, 0.3926, 0.3158



20.5040, 0.3317, 0.3562



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

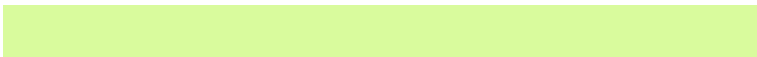
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2676, 0.3729, 0.4127



86.3776, 0.3852, 0.4287



86.1403, 0.3452, 0.4305



19.8220, 0.3272, 0.3497



38.2449, 0.4416, 0.4875



3.6376, 0.4386, 0.4899

Inverse Universe

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



42.1605, 0.2457, 0.2285



35.8406, 0.2301, 0.2040



42.2215, 0.2688, 0.2221



16.9714, 0.2979, 0.3074



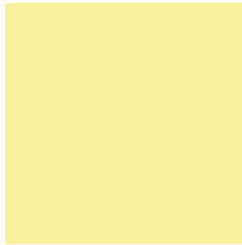
4.2416, 0.1524, 0.0684



0.4952, 0.1566, 0.0838

Previews

White Background



This preview shows how the Yxy color 85.2637, 0.3729, 0.4127 looks on a white background.

Color Contrast Check

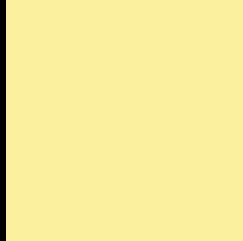
Large Text (above 18pt) WCAG AA × Fail

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 85.2637, 0.3729, 0.4127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

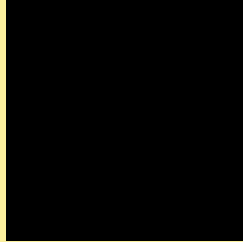
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.2637, 0.3729, 0.4127

Background



This preview shows how black text looks on a background with the Yxy color 85.2637, 0.3729, 0.4127.



This preview shows how white text looks on a background with the Yxy color 85.2637, 0.3729, 0.4127.

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

85.2637, 0.3729, 0.4127

Protanopia

85.3876, 0.3670, 0.3953

Deuteranopia

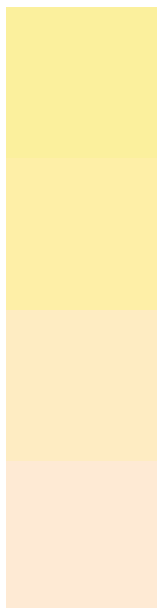
85.0119, 0.3395, 0.3480



Tritanopia

84.9435, 0.3208, 0.3163

Trichromacy



Original Color

85.2637, 0.3729, 0.4127

Protanomaly

85.5939, 0.3691, 0.4014

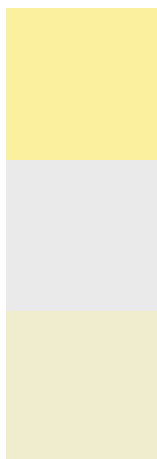
Deuteranomaly

84.9568, 0.3524, 0.3714

Tritanomaly

84.6699, 0.3408, 0.3511

Monochromacy



Original Color

85.2637, 0.3729, 0.4127

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.9724, 0.3345, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2637, 0.3729, 0.4127 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(251, 240, 157)` looks like.

```
.text, #text, p{  
    color:rgb(251, 240, 157)  
}
```

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(251, 240, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 240, 157) }
```

Border

The CSS property to change the border of an element to Yxy 85.2637, 0.3729, 0.4127 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(251, 240, 157) }
```

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

```
.border{ border-color:rgb(251, 240, 157) }
```

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

Here you see how a box with a 4 pixel rgb(251, 240, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 240, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 240, 157);  
box-shadow:4px 4px 4px 4px rgb(251, 240,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2637, 0.3729, 0.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 240, 157) }
```

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

```
.background{ background-color: rgb(251,  
240, 157) }
```

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