

Converting Colors

$Yxy(84.4450, 0.3921, 0.4352)$

Have a look what the booklet for
Yxy(84.4450, 0.3921, 0.4352)
contains.

Yxy(84.6047, 0.3921, 0.4357)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.6047, 0.3921, 0.4357)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF82
RGB	255, 239, 130
RGB Percent	100%, 94%, 51%
CMY	0.0000, 0.0627, 0.4902
CMYK	0.00, 0.06, 0.49, 0.00
HSL	52°, 100%, 75%
HSV	52°, 49%, 100%
XYZ	76.1384, 84.6047, 33.4380
YIQ	231.3580, 44.5250, -30.5070

Conversions

Conversions Part 2

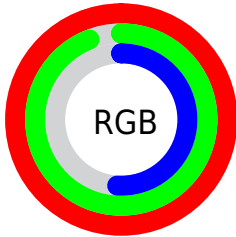
Format	Color
R _Y B	148, 255, 130
Decimal	16772994
CIE Lab	93.71, -8.53, 54.22
CIE LCh	94, 54.892, 98.945
Yxy	84.6047, 0.3921, 0.4357
Android (android.graphics.Color)	4294963074 (0xFFFEF82)
YUV	231.3580, -49.9695, 20.7340
Hunter-Lab	91.9808, -13.2106, 42.8327

Details

The Yxy color **84.6047, 0.3921, 0.4357** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.5253, 0.2221, 0.1925**, and the grayscale version is **80.5480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **46.1386, 0.4066, 0.4571** is the 20% darker color. If you saturate the color by 10%, you get **82.1112, 0.4071, 0.4537**, and if you desaturate by 10%, it is **87.3070, 0.3759, 0.4152**.

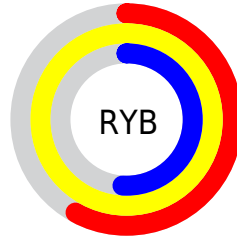
Distribution



Red (100%)

Green (94%)

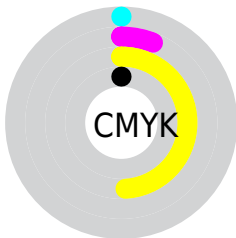
Blue (51%)



Red (58%)

Yellow (100%)

Blue (51%)

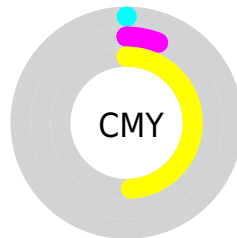


Cyan (0%)

Magenta (6%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6047, 0.3921, 0.4357 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 84.6047, 0.3921, 0.4357 by changing the saturation by 10% instead.

 84.6047, 0.3921,
0.4357


 84.6047, 0.3921,
0.4357


510.3191, 0.3584,
0.3886


 63.5148, 0.3988,
0.4456

 139.8207, 0.3812,
0.4200

 46.2578, 0.4064,
0.4572


 174.7157, 0.3767,
0.4137

 32.4493, 0.4152,
0.4710


 214.9811, 0.3728,
0.4082

 21.7049, 0.4249,
0.4874

261.0014, 0.3692,
0.4033

 13.6402, 0.4351,
0.5065

313.1610, 0.3661,
0.3990

 7.8709, 0.4485,
0.5330

371.8442, 0.3633,

 4.0124, 0.4491,

0.3951

0.5509

437.4354, 0.3607,
0.3917

■ 1.6805, 0.4359,
0.5641

■ 0.4110, 0.3073,
0.6927

■ 84.6047, 0.3921,
0.4357

■ 84.6047, 0.3921,
0.4357

■ 82.1112, 0.4071,
0.4537

■ 87.3070, 0.3759,
0.4152

■ 79.8066, 0.4203,
0.4681

■ 90.2228, 0.3592,
0.3933

■ 77.6784, 0.4309,
0.4784

■ 93.3650, 0.3425,
0.3708

■ 75.7093, 0.4387,
0.4840

■ 96.7435, 0.3265,
0.3485

■ 73.8734, 0.4439,
0.4854

100.0000, 0.3127,
0.3290

■ 73.6969, 0.4443,
0.4854

Harmonies

Analogous

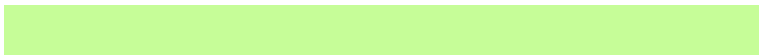
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6047, 0.4304, 0.4006



84.6047, 0.3921, 0.4357



84.6047, 0.3347, 0.4419

Triad

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



84.6047, 0.3921, 0.4357



84.6047, 0.2036, 0.2845



84.6047, 0.3441, 0.2659

Complementary

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



84.6047, 0.3921, 0.4357



32.5253, 0.2221, 0.1925

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.



84.6047, 0.2809, 0.2393



84.6047, 0.3921, 0.4357



84.6047, 0.2055, 0.2456

Square

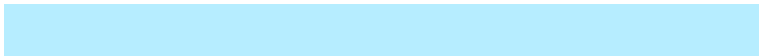
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6047, 0.3921, 0.4357



84.6047, 0.2272, 0.3445



84.6047, 0.2320, 0.2314



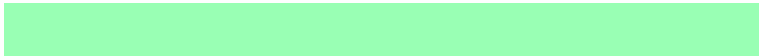
84.6047, 0.4033, 0.3063

Rectangle

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



84.6047, 0.3921, 0.4357



84.6047, 0.2937, 0.4231



84.6047, 0.2320, 0.2314



84.6047, 0.3224, 0.2552

Sweetspot

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



84.6070, 0.3921, 0.4357



94.6931, 0.3360, 0.3618



39.3235, 0.4323, 0.3121



20.1180, 0.3394, 0.3665



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

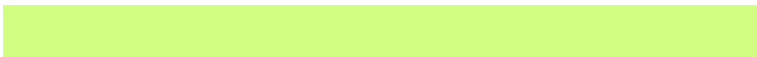
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6070, 0.3921, 0.4357



82.1152, 0.4071, 0.4536



86.7119, 0.3532, 0.4632



20.6706, 0.3272, 0.3495



38.6635, 0.4438, 0.4858



3.8705, 0.4406, 0.4883

Inverse Universe

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



32.5253, 0.2221, 0.1925



24.5624, 0.2023, 0.1602



32.3984, 0.2511, 0.1853



17.7523, 0.2979, 0.3076



4.4457, 0.1526, 0.0695



0.5444, 0.1569, 0.0848

Previews

White Background



This preview shows how the Yxy color 84.6047, 0.3921, 0.4357 looks on a white background.

Color Contrast Check

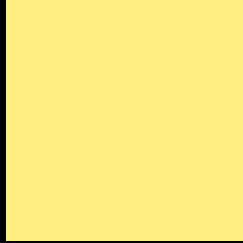
Large Text (above 18pt) WCAG AA × Fail

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 84.6047, 0.3921, 0.4357 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 84.6047, 0.3921, 0.4357

Background



This preview shows how black text looks on a background with the Yxy color 84.6047, 0.3921, 0.4357.

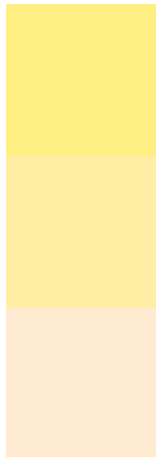


This preview shows how white text looks on a background with the Yxy color 84.6047, 0.3921, 0.4357.

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

84.6047, 0.3921, 0.4357

Protanopia

84.5087, 0.3724, 0.4023

Deuteranopia

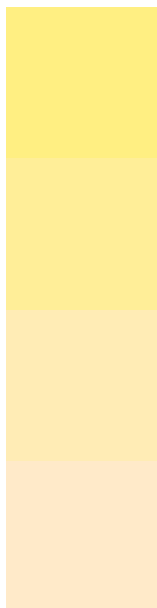
84.7588, 0.3428, 0.3531



Tritanopia

84.7627, 0.3227, 0.3192

Trichromacy



Original Color

84.6047, 0.3921, 0.4357

Protanomaly

84.6761, 0.3796, 0.4148

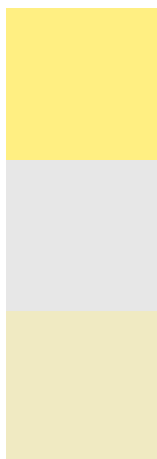
Deuteranomaly

84.5871, 0.3617, 0.3845

Tritanomaly

84.3227, 0.3488, 0.3622

Monochromacy



Original Color

84.6047, 0.3921, 0.4357

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.2659, 0.3427, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6047, 0.3921, 0.4357 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, 239, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 130)  
}
```

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, 239, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 130) }
```

Border

The CSS property to change the border of an element to Yxy 84.6047, 0.3921, 0.4357 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, 239, 130) }
```

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

```
.border{ border-color:rgb(255, 239, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6047, 0.3921, 0.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 130) }
```

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

```
.background{ background-color: rgb(255,  
239, 130) }
```

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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