

Converting Colors

$Y_{xy}(100.0000, 0.4240, 0.3903)$

Have a look what the booklet for
Yxy(100.0000, 0.4240, 0.3903)
contains.

Yxy(84.4370, 0.3737, 0.4043)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.4370, 0.3737, 0.4043)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDA2
RGB	255, 237, 162
RGB Percent	100%, 93%, 64%
CMY	0.0000, 0.0706, 0.3647
CMYK	0.00, 0.07, 0.36, 0.00
HSL	48°, 100%, 82%
HSV	48°, 36%, 100%
XYZ	78.0463, 84.4370, 46.3641
YIQ	233.8320, 34.8030, -19.5090

Conversions

Conversions Part 2

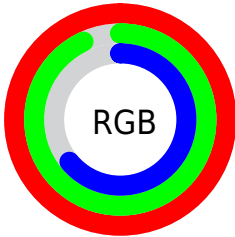
Format	Color
RYB	184, 255, 162
Decimal	16772514
CIELab	93.64, -4.38, 38.57
CIELCh	94, 38.816, 96.472
Yxy	84.4370, 0.3737, 0.4043
Android (android.graphics.Color)	4294962594 (0xFFFFEDA2)
YUV	233.8320, -35.4132, 18.5643
Hunter-Lab	91.8896, -9.1982, 34.4072

Details

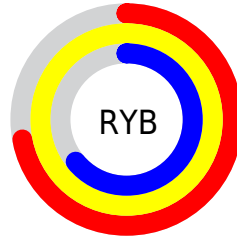
The Yxy color **84.4370, 0.3737, 0.4043** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.5397, 0.2488, 0.2401**, and the grayscale version is **82.4005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **46.0222, 0.3866, 0.4205** is the 20% darker color. If you saturate the color by 10%, you get **80.8055, 0.3915, 0.4241**, and if you desaturate by 10%, it is **88.3374, 0.3560, 0.3835**.

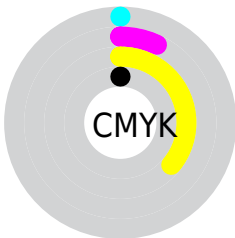
Distribution



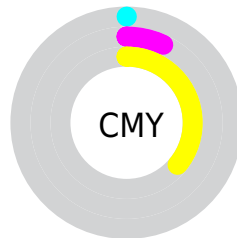
- Red (100%)
- Green (93%)
- Blue (64%)



- Red (72%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (7%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4370, 0.3737, 0.4043 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 84.4370, 0.3737, 0.4043 by changing the saturation by 10% instead.


 84.4370, 0.3737,
0.4043


 84.4370, 0.3737,
0.4043


509.7633, 0.3469,
0.3706

 63.3763, 0.3794,
0.4116

 139.5863, 0.3647,
0.3929

 46.1457, 0.3862,
0.4204


 174.4437, 0.3612,
0.3884

 32.3608, 0.3943,
0.4311


214.6688, 0.3580,
0.3844

 21.6372, 0.4042,
0.4444

260.6459, 0.3553,
0.3810

 13.5906, 0.4163,
0.4612

312.7596, 0.3528,
0.3779

 7.8365, 0.4308,
0.4822

371.3941, 0.3506,

 3.9905, 0.4585,

0.3752

0.5215

436.9338, 0.3487,
0.3728

■ 1.6682, 0.4612,
0.5388

■ 0.4030, 0.4067,
0.5933

■ 84.4370, 0.3737,
0.4043

■ 84.4370, 0.3737,
0.4043

■ 80.8055, 0.3915,
0.4241

■ 88.3374, 0.3560,
0.3835

■ 77.4215, 0.4087,
0.4418

■ 92.5079, 0.3388,
0.3625

■ 74.2751, 0.4244,
0.4564

■ 96.9619, 0.3226,
0.3419

■ 71.3517, 0.4381,
0.4669

100.0000, 0.3127,
0.3290

■ 68.6341, 0.4489,
0.4728

■ 66.1012, 0.4568,
0.4740

■ 65.2405, 0.4591,
0.4737

Harmonies

Analogous

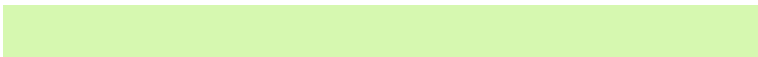
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4370, 0.3982, 0.3803



84.4370, 0.3737, 0.4043



84.4370, 0.3336, 0.4079

Triad

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



84.4370, 0.3737, 0.4043



84.4370, 0.2338, 0.3019



84.4370, 0.3319, 0.2808

Complementary

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



84.4370, 0.3737, 0.4043



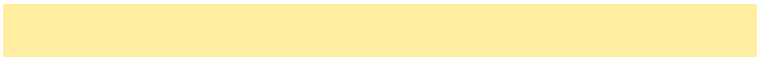
47.5397, 0.2488, 0.2401

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.



84.4370, 0.2872, 0.2619



84.4370, 0.3737, 0.4043



84.4370, 0.2333, 0.2712

Square

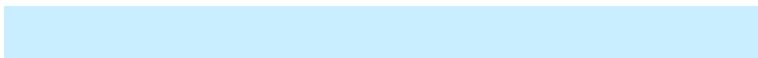
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4370, 0.3737, 0.4043



84.4370, 0.2537, 0.3445



84.4370, 0.2520, 0.2579



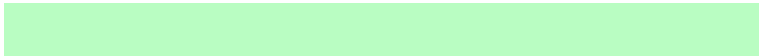
84.4370, 0.3738, 0.3108

Rectangle

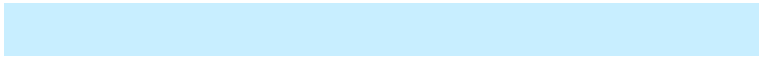
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4370, 0.3737, 0.4043



84.4370, 0.3040, 0.3957



84.4370, 0.2520, 0.2579



84.4370, 0.3166, 0.2731

Sweetspot

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



84.4402, 0.3737, 0.4043



94.9094, 0.3298, 0.3511



50.4191, 0.3836, 0.3097



20.1854, 0.3320, 0.3539



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

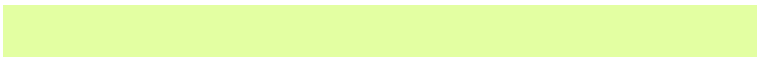
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4402, 0.3737, 0.4043



81.6802, 0.3871, 0.4193



90.4755, 0.3487, 0.4263



20.4582, 0.3274, 0.3480



34.3017, 0.4583, 0.4743



3.4858, 0.4530, 0.4785

Inverse Universe

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



47.5397, 0.2488, 0.2401



39.7750, 0.2340, 0.2179



43.9933, 0.2655, 0.2239



17.9465, 0.2979, 0.3092



5.0959, 0.1551, 0.0783



0.6384, 0.1603, 0.0971

Previews

White Background



This preview shows how the Yxy color 84.4370, 0.3737, 0.4043 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 84.4370, 0.3737, 0.4043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

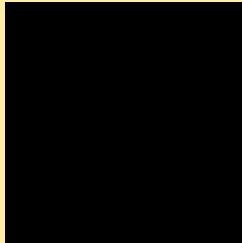
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4370, 0.3737, 0.4043

Background



This preview shows how black text looks on a background with the Yxy color 84.4370, 0.3737, 0.4043.



This preview shows how white text looks on a background with the Yxy color 84.4370, 0.3737, 0.4043.

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

84.4370, 0.3737, 0.4043

Protanopia

84.6555, 0.3699, 0.3984

Deuteranopia

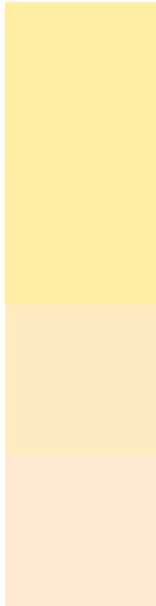
84.3419, 0.3410, 0.3491



Tritanopia

84.2644, 0.3222, 0.3173

Trichromacy



Original Color

84.4370, 0.3737, 0.4043

Protanomaly

84.5815, 0.3711, 0.4004

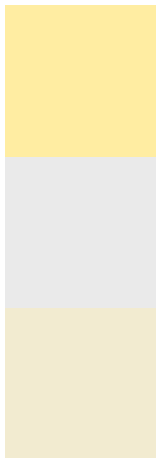
Deuteranomaly

84.0007, 0.3535, 0.3694

Tritanomaly

84.3419, 0.3410, 0.3491

Monochromacy



Original Color

84.4370, 0.3737, 0.4043

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8480, 0.3348, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4370, 0.3737, 0.4043 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, 237, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 162)  
}
```

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, 237, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 162) }
```

Border

The CSS property to change the border of an element to Yxy 84.4370, 0.3737, 0.4043 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, 237, 162) }
```

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

```
.border{ border-color:rgb(255, 237, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4370, 0.3737, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 162) }
```

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

```
.background{ background-color: rgb(255,  
237, 162) }
```

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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