

Converting Colors

$Y_{xy}(86.7225, 0.3642, 0.4127)$

Have a look what the booklet for
Yxy(86.7225, 0.3642, 0.4127)
contains.

Yxy(86.7225, 0.3642, 0.4127)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.7225, 0.3642, 0.4127)

Conversions

Conversions Part 1

Format	Color
Hex	F5F4A2
RGB	245, 244, 162
RGB Percent	96%, 96%, 64%
CMY	0.0392, 0.0431, 0.3648
CMYK	0.00, 0.00, 0.34, 0.04
HSL	59°, 81%, 80%
HSV	59°, 34%, 96%
XYZ	76.5310, 86.7225, 46.8810
YIQ	234.9510, 26.9180, -25.2900

Conversions

Conversions Part 2

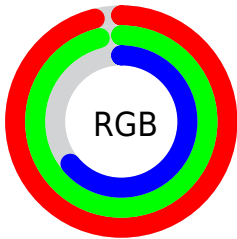
Format	Color
R_{YB}	163, 245, 162
Decimal	16118946
CIE _{Lab}	94.62, -11.65, 39.70
CIE _{LCh}	95, 41.377, 106.355
Yxy	86.7225, 0.3642, 0.4127
Android (android.graphics.Color)	4294309026 (0xFFFF5F4A2)
YUV	234.9510, -35.9648, 8.8130
Hunter-Lab	93.1249, -16.2755, 35.3396

Details

The Yxy color **86.7225, 0.3642, 0.4127** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.4673, 0.2516, 0.2289**, and the grayscale version is **83.3051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **47.7619, 0.3746, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **85.7590, 0.3786, 0.4360**, and if you desaturate by 10%, it is **87.8639, 0.3490, 0.3881**.

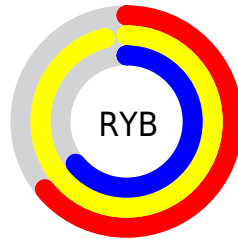
Distribution



Red (96%)

Green (96%)

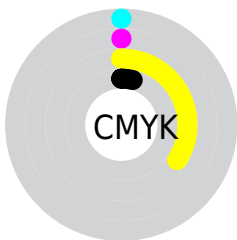
Blue (64%)



Red (64%)

Yellow (96%)

Blue (64%)

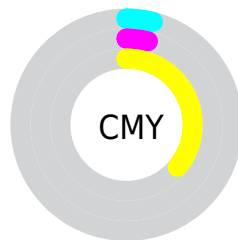


Cyan (0%)

Magenta (0%)

Yellow (34%)

Black (4%)



Cyan (4%)


Magenta (4%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7225, 0.3642, 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 86.7225, 0.3642, 0.4127 by changing the saturation by 10% instead.

 86.7225, 0.3642,
0.4127

 86.7225, 0.3642,
0.4127


517.3106, 0.3421,
0.3748

 65.2656, 0.3688,
0.4210


 142.7773, 0.3569,
0.3998

 47.6765, 0.3741,
0.4311


 178.1440, 0.3539,
0.3947

 33.5707, 0.3805,
0.4435


218.9160, 0.3514,
0.3903

 22.5640, 0.3880,
0.4590

265.4778, 0.3491,
0.3864

 14.2719, 0.3969,
0.4788

318.2138, 0.3470,
0.3830

 8.3100, 0.4066,
0.5044


377.5083, 0.3452,


 4.2940, 0.4253,

0.3800

0.5501


443.7458, 0.3435,
0.3773


 1.8393, 0.4187,
0.5813


 0.5115, 0.2828,
0.7172


 86.7225, 0.3642,
0.4127


 86.7225, 0.3642,
0.4127

 85.7590, 0.3786,
0.4360

 87.8639, 0.3490,
0.3881


 84.9517, 0.3916,
0.4569

 89.1805, 0.3336,
0.3630


 84.2936, 0.4026,
0.4745


 90.6847, 0.3185,
0.3384


 83.7725, 0.4112,
0.4880

 92.0586, 0.3068,
0.3194


 83.3740, 0.4171,
0.4972


 92.2394, 0.3068,
0.3197


 83.0809, 0.4204,
0.5021

 92.4205, 0.3068,
0.3200

 82.9378, 0.4215,
0.5035

 92.6019, 0.3068,
0.3203

 92.7836, 0.3068,
0.3206

 92.9656, 0.3068,
0.3209

Harmonies

Analogous

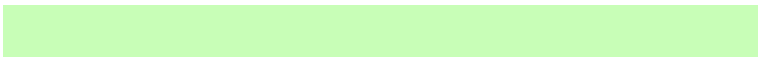
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7225, 0.3968, 0.3929



86.7225, 0.3642, 0.4127



86.7225, 0.3191, 0.4079

Triad

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



86.7225, 0.3642, 0.4127



86.7225, 0.2272, 0.2877



86.7225, 0.3486, 0.2876

Complementary

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



86.7225, 0.3642, 0.4127



40.4673, 0.2516, 0.2289

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.



86.7225, 0.3006, 0.2634



86.7225, 0.3642, 0.4127



86.7225, 0.2335, 0.2614

Square

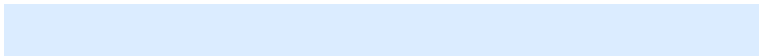
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7225, 0.3642, 0.4127



86.7225, 0.2414, 0.3297



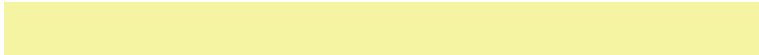
86.7225, 0.2592, 0.2537



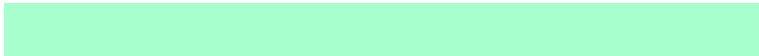
86.7225, 0.3886, 0.3216

Rectangle

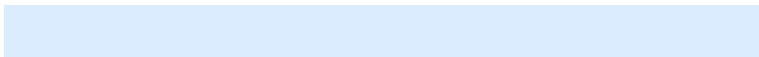
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7225, 0.3642, 0.4127



86.7225, 0.2885, 0.3891



86.7225, 0.2592, 0.2537



86.7225, 0.3327, 0.2782

Sweetspot

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



86.7264, 0.3642, 0.4127



98.2672, 0.3277, 0.3534



47.9090, 0.3914, 0.3277



20.9847, 0.3298, 0.3569



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.



86.7264, 0.3642, 0.4127



94.1872, 0.3747, 0.4296



80.8841, 0.3357, 0.4221



19.2769, 0.3269, 0.3521



44.6907, 0.4214, 0.5036



3.9388, 0.4212, 0.5038

Inverse Universe

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



40.4673, 0.2516, 0.2289



36.1134, 0.2362, 0.2036



45.0026, 0.2816, 0.2356



15.9590, 0.2979, 0.3048



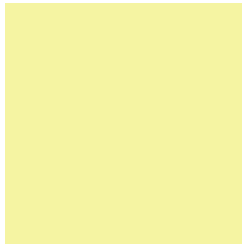
3.6007, 0.1502, 0.0608



0.3276, 0.1508, 0.0627

Previews

White Background



This preview shows how the Yxy color 86.7225, 0.3642, 0.4127 looks on a white background.

Color Contrast Check

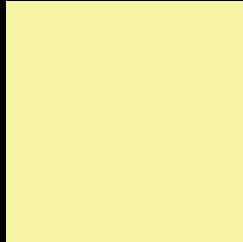
Large Text (above 18pt) WCAG AA × Fail

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 86.7225, 0.3642, 0.4127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

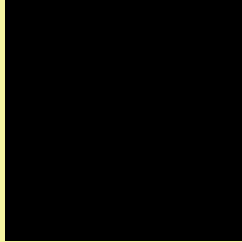
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7225, 0.3642, 0.4127

Background



This preview shows how black text looks on a background with the Yxy color 86.7225, 0.3642, 0.4127.



This preview shows how white text looks on a background with the Yxy color 86.7225, 0.3642, 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

86.7225, 0.3642, 0.4127

Protanopia

86.4119, 0.3596, 0.3853

Deuteranopia

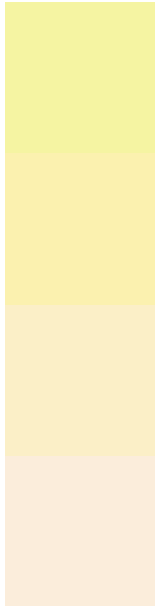
86.4182, 0.3359, 0.3449



Tritanopia

86.5029, 0.3162, 0.3116

Trichromacy



Original Color

86.7225, 0.3642, 0.4127

Protanomaly

86.5150, 0.3613, 0.3958

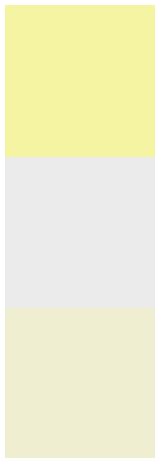
Deuteranomaly

86.3658, 0.3463, 0.3695

Tritanomaly

86.1921, 0.3336, 0.3471

Monochromacy



Original Color

86.7225, 0.3642, 0.4127

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.0539, 0.3323, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7225, 0.3642, 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(245, 244, 162)` looks like.

```
.text, #text, p{  
    color:rgb(245, 244, 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(245, 244, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 244, 162) }
```

Border

The CSS property to change the border of an element to Yxy 86.7225, 0.3642, 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(245, 244, 162) }
```

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

```
.border{ border-color:rgb(245, 244, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 244, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 244, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 244, 162); box-shadow:4px 4px 4px 4px rgb(245, 244, 162) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7225, 0.3642, 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(245, 244, 162) }
```

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

```
.background{ background-color: rgb(245,  
244, 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](#).

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