

Converting Colors

$Yxy(87.5620, 0.3696, 0.4411)$

Have a look what the booklet for
Yxy(87.5620, 0.3696, 0.4411)
contains.

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Color

Yxy(87.6200, 0.3700, 0.4413)

Conversions

Conversions Part 1

Format	Color
Hex	EDF98B
RGB	237, 249, 139
RGB Percent	93%, 98%, 55%
CMY	0.0705, 0.0235, 0.4549
CMYK	0.05, 0.00, 0.44, 0.02
HSL	67°, 90%, 76%
HSV	67°, 44%, 98%
XYZ	73.4634, 87.6200, 37.4663
YIQ	232.8720, 28.1580, -36.7540

Conversions

Conversions Part 2

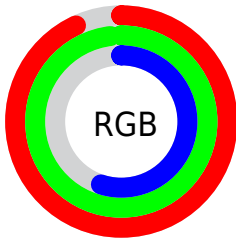
Format	Color
RYB	139, 249, 151
Decimal	15595915
CIELab	95.00, -19.59, 51.23
CIELCh	95, 54.849, 110.927
Yxy	87.6200, 0.3700, 0.4413
Android (android.graphics.Color)	4293785995 (0xFFEDF98B)
YUV	232.8720, -46.2789, 3.6203
Hunter-Lab	93.6056, -23.7196, 41.7926

Details

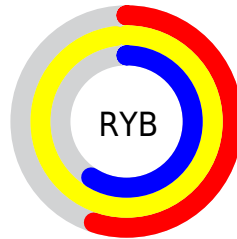
The Yxy color **87.6200, 0.3700, 0.4413** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.8847, 0.2374, 0.1936**, and the grayscale version is **81.7266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **48.3955, 0.3790, 0.4662** is the 20% darker color. If you saturate the color by 10%, you get **86.5132, 0.3807, 0.4642**, and if you desaturate by 10%, it is **88.9076, 0.3578, 0.4164**.

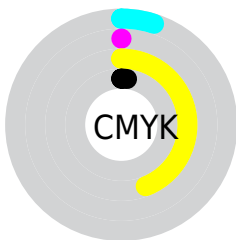
Distribution



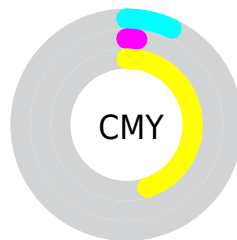
- Red (93%)
- Green (98%)
- Blue (55%)



- Red (55%)
- Yellow (98%)
- Blue (59%)



- Cyan (5%)
- Magenta (0%)
- Yellow (44%)
- Black (2%)




- Cyan (7%)
- Magenta (2%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6200, 0.3700, 0.4413 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 87.6200, 0.3700, 0.4413 by changing the saturation by 10% instead.

 87.6200, 0.3700,
0.4413

 87.6200, 0.3700,
0.4413


520.2580, 0.3465,
0.3904

 66.0084, 0.3745,
0.4524


 144.0280, 0.3625,
0.4241

 48.2792, 0.3795,
0.4656


 179.5932, 0.3594,
0.4172

 34.0481, 0.3851,
0.4818


 220.5784, 0.3567,
0.4113

 22.9305, 0.3910,
0.5016

267.3680, 0.3542,
0.4061

 14.5422, 0.3965,
0.5262

320.3463, 0.3520,
0.4015

 8.4987, 0.4006,
0.5576

379.8978, 0.3500,

 4.4157, 0.4005,

0.3974

0.5995

446.4069, 0.3481,
0.3937

1.9087, 0.3714,
0.6286

0.5536, 0.0797,
0.9203

87.6200, 0.3700,
0.4413

87.6200, 0.3700,
0.4413

86.5132, 0.3807,
0.4642

88.9076, 0.3578,
0.4164

85.5638, 0.3894,
0.4840


90.3743, 0.3448,
0.3905


84.7630, 0.3956,
0.4999


92.0338, 0.3314,
0.3645

84.0958, 0.3992,
0.5113


93.8948, 0.3182,
0.3392

 83.5438, 0.4002,
0.5182

 95.4058, 0.3102,
0.3232

 83.2601, 0.3999,
0.5206

 95.9125, 0.3119,
0.3233

 96.2336, 0.3130,
0.3233

Harmonies

Analogous

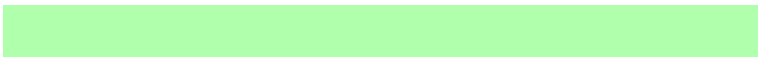
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6200, 0.4172, 0.4159



87.6200, 0.3700, 0.4413



87.6200, 0.3101, 0.4315

Triad

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



87.6200, 0.3700, 0.4413



87.6200, 0.2025, 0.2668



87.6200, 0.3689, 0.2813

Complementary

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



87.6200, 0.3700, 0.4413



31.8847, 0.2374, 0.1936

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.



87.6200, 0.3054, 0.2488



87.6200, 0.3700, 0.4413



87.6200, 0.2143, 0.2381

Square

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



87.6200, 0.3700, 0.4413



87.6200, 0.2158, 0.3190



87.6200, 0.2499, 0.2331



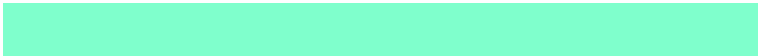
87.6200, 0.4191, 0.3250

Rectangle

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



87.6200, 0.3700, 0.4413



87.6200, 0.2712, 0.4025



87.6200, 0.2499, 0.2331



87.6200, 0.3480, 0.2689

Sweetspot

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



87.6240, 0.3700, 0.4413



97.3668, 0.3299, 0.3615



43.8181, 0.4253, 0.3411



20.7526, 0.3328, 0.3672



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

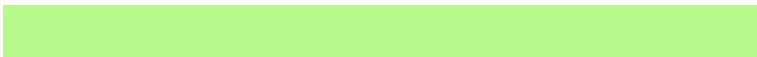
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6240, 0.3700, 0.4413



91.4440, 0.3796, 0.4618



79.6854, 0.3328, 0.4567



20.0890, 0.3252, 0.3525



44.6049, 0.4003, 0.5204



4.1578, 0.4027, 0.5185

Inverse Universe

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



31.8847, 0.2374, 0.1936



25.7335, 0.2192, 0.1627



38.2854, 0.2798, 0.2080



16.7336, 0.2996, 0.3046



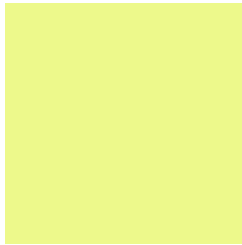
3.8159, 0.1538, 0.0621



0.3821, 0.1611, 0.0661

Previews

White Background



This preview shows how the Yxy color 87.6200, 0.3700, 0.4413 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 87.6200, 0.3700, 0.4413 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 87.6200, 0.3700, 0.4413

Background



This preview shows how black text looks on a background with the Yxy color 87.6200, 0.3700, 0.4413.

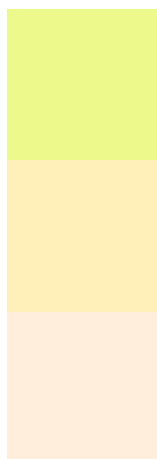


This preview shows how white text looks on a background with the Yxy color 87.6200, 0.3700, 0.4413.

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

87.6200, 0.3700, 0.4413

Protanopia

87.1253, 0.3574, 0.3832

Deuteranopia

87.5764, 0.3356, 0.3469



Tritanopia

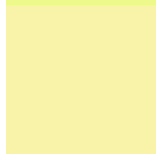
87.4707, 0.3109, 0.3115

Trichromacy



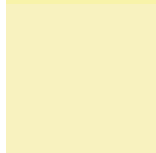
Original Color

87.6200, 0.3700, 0.4413



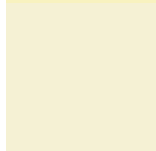
Protanomaly

86.9222, 0.3623, 0.4042



Deuteranomaly

87.2223, 0.3488, 0.3809



Tritanomaly

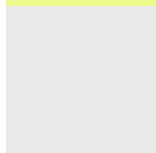
87.0765, 0.3335, 0.3585

Monochromacy



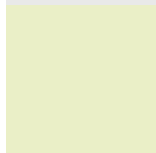
Original Color

87.6200, 0.3700, 0.4413



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.3490, 0.3344, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6200, 0.3700, 0.4413 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(237, 249, 139)` looks like.

```
.text, #text, p{  
    color:rgb(237, 249, 139)  
}
```

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(237, 249, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 249, 139) }
```

Border

The CSS property to change the border of an element to Yxy 87.6200, 0.3700, 0.4413 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(237, 249, 139) }
```

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

```
.border{ border-color:rgb(237, 249, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 249, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 249, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 249, 139);  
box-shadow:4px 4px 4px 4px rgb(237, 249,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6200, 0.3700, 0.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 249, 139) }
```

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

```
.background{ background-color: rgb(237,  
249, 139) }
```

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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