

Converting Colors

$Yxy(86.9224, 0.3710, 0.4253)$

Have a look what the booklet for
Yxy(86.9224, 0.3710, 0.4253)
contains.

Yxy(86.9193, 0.3710, 0.4253)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.9193, 0.3710, 0.4253)

Conversions

Conversions Part 1

Format	Color
Hex	F5F596
RGB	245, 245, 150
RGB Percent	96%, 96%, 59%
CMY	0.0391, 0.0392, 0.4118
CMYK	0.00, 0.00, 0.39, 0.04
HSL	60°, 83%, 77%
HSV	60°, 39%, 96%
XYZ	75.8219, 86.9193, 41.6305
YIQ	234.1700, 30.4950, -29.5450

Conversions

Conversions Part 2

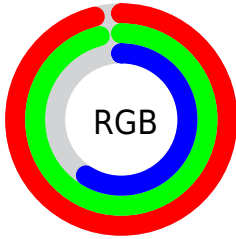
Format	Color
R_{YB}	150, 245, 150
Decimal	16119190
CIE _{Lab}	94.70, -13.45, 45.71
CIE _{LCh}	95, 47.648, 106.400
Yxy	86.9193, 0.3710, 0.4253
Android (android.graphics.Color)	4294309270 (0xFFFF5F596)
YUV	234.1700, -41.4958, 9.4979
Hunter-Lab	93.2305, -17.9841, 38.7864

Details

The Yxy color **86.9193, 0.3710, 0.4253** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.9003, 0.2409, 0.2103**, and the grayscale version is **82.7232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **47.8231, 0.3816, 0.4467** is the 20% darker color. If you saturate the color by 10%, you get **86.2088, 0.3846, 0.4477**, and if you desaturate by 10%, it is **87.8028, 0.3563, 0.4010**.

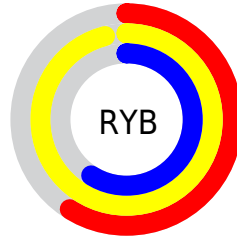
Distribution



Red (96%)

Green (96%)

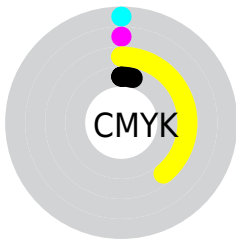
Blue (59%)



Red (59%)

Yellow (96%)

Blue (59%)

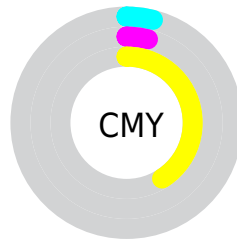


Cyan (0%)

Magenta (0%)

Yellow (39%)

Black (4%)



Cyan (4%)


Magenta (4%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9193, 0.3710, 0.4253 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 86.9193, 0.3710, 0.4253 by changing the saturation by 10% instead.

 86.9193, 0.3710,
0.4253


 86.9193, 0.3710,
0.4253


517.9577, 0.3463,
0.3819

 65.4284, 0.3760,
0.4347


 143.0517, 0.3630,
0.4106

 47.8086, 0.3817,
0.4461


 178.4619, 0.3597,
0.4048

 33.6753, 0.3884,
0.4600


219.2808, 0.3568,
0.3997

 22.6443, 0.3960,
0.4771

265.8926, 0.3542,
0.3952

 14.3311, 0.4045,
0.4985

318.6818, 0.3519,
0.3913

 8.3513, 0.4126,
0.5253

378.0328, 0.3498,

 4.3205, 0.4280,

0.3878

0.5720

444.3299, 0.3480,
0.3847

■ 1.8544, 0.4080,
0.5920

■ 0.5208, 0.2423,
0.7577

■ 86.9193, 0.3710,
0.4253

■ 86.9193, 0.3710,
0.4253

■ 86.2088, 0.3846,
0.4477

■ 87.8028, 0.3563,
0.4010

■ 85.6489, 0.3964,
0.4672

■ 88.8568, 0.3411,
0.3758


■ 85.2323, 0.4059,
0.4830


■ 90.0941, 0.3258,
0.3506

■ 84.9455, 0.4129,
0.4945


■ 91.5229, 0.3109,
0.3261


 84.7732, 0.4172,
0.5016


 91.9711, 0.3068,
0.3193


 84.6925, 0.4192,
0.5049

 91.9771, 0.3068,
0.3193

 84.6852, 0.4194,
0.5052

 91.9830, 0.3068,
0.3193

 91.9889, 0.3068,
0.3193

 91.9948, 0.3068,
0.3193

Harmonies

Analogous

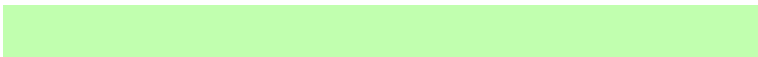
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9193, 0.4089, 0.4013



86.9193, 0.3710, 0.4253



86.9193, 0.3193, 0.4208

Triad

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



86.9193, 0.3710, 0.4253



86.9193, 0.2156, 0.2809



86.9193, 0.3538, 0.2819

Complementary

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



86.9193, 0.3710, 0.4253



34.9003, 0.2409, 0.2103

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.



86.9193, 0.2985, 0.2547



86.9193, 0.3710, 0.4253



86.9193, 0.2227, 0.2516

Square

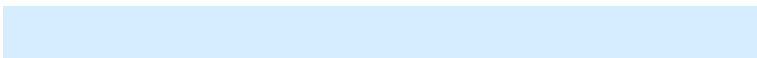
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9193, 0.3710, 0.4253



86.9193, 0.2313, 0.3291



86.9193, 0.2516, 0.2435



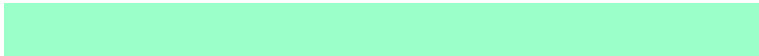
86.9193, 0.4002, 0.3200

Rectangle

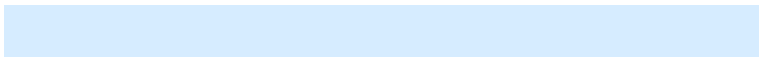
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9193, 0.3710, 0.4253



86.9193, 0.2843, 0.3989



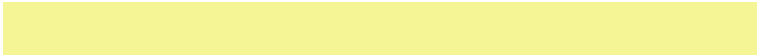
86.9193, 0.2516, 0.2435



86.9193, 0.3354, 0.2714

Sweetspot

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



86.9233, 0.3710, 0.4253



98.1757, 0.3307, 0.3587



43.4820, 0.4083, 0.3276



20.9751, 0.3327, 0.3620



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

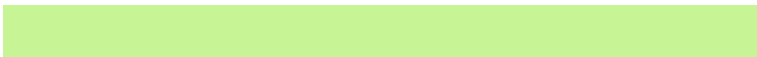
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9233, 0.3710, 0.4253



94.5029, 0.3824, 0.4441



79.6830, 0.3385, 0.4368



19.3124, 0.3269, 0.3524



45.6076, 0.4194, 0.5052



4.0088, 0.4194, 0.5052

Inverse Universe

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



34.9003, 0.2409, 0.2103



29.7666, 0.2229, 0.1805



40.1311, 0.2758, 0.2208



15.9278, 0.2979, 0.3045



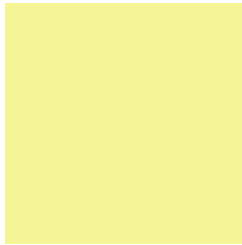
3.5532, 0.1500, 0.0600



0.3127, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 86.9193, 0.3710, 0.4253 looks on a white background.

Color Contrast Check

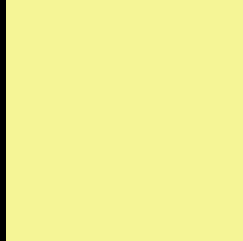
Large Text (above 18pt) WCAG AA × Fail

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 86.9193, 0.3710, 0.4253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

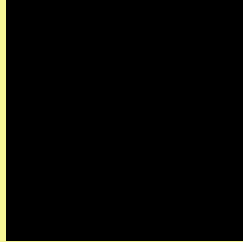
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.9193, 0.3710, 0.4253

Background



This preview shows how black text looks on a background with the Yxy color 86.9193, 0.3710, 0.4253.

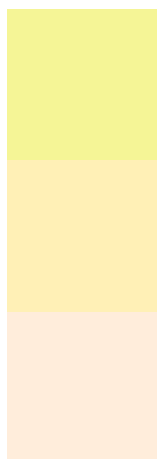


This preview shows how white text looks on a background with the Yxy color 86.9193, 0.3710, 0.4253.

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

86.9193, 0.3710, 0.4253

Protanopia

86.9576, 0.3600, 0.3872

Deuteranopia

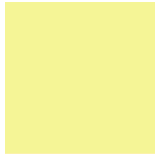
86.9428, 0.3364, 0.3469



Tritanopia

87.0078, 0.3168, 0.3135

Trichromacy



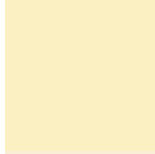
Original Color

86.9193, 0.3710, 0.4253



Protanomaly

86.9158, 0.3642, 0.4017



Deuteranomaly

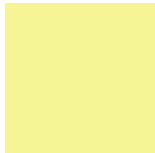
86.7244, 0.3494, 0.3755



Tritanomaly

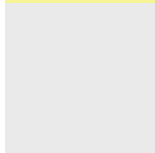
86.5133, 0.3367, 0.3531

Monochromacy



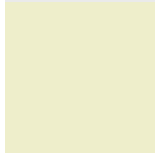
Original Color

86.9193, 0.3710, 0.4253



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

83.6380, 0.3348, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9193, 0.3710, 0.4253 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, 245, 150)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 150)  
}
```

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, 245, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 150) }
```

Border

The CSS property to change the border of an element to Yxy 86.9193, 0.3710, 0.4253 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, 245, 150) }
```

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

```
.border{ border-color:rgb(245, 245, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 150);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9193, 0.3710, 0.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 150) }
```

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

```
.background{ background-color: rgb(245,  
245, 150) }
```

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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