

Converting Colors

$Yxy(85.9593, 0.3621, 0.4460)$

Have a look what the booklet for
Yxy(85.9593, 0.3621, 0.4460)
contains.

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Color

Yxy(85.5939, 0.3620, 0.4458)

Conversions

Conversions Part 1

Format	Color
Hex	E1F98A
RGB	225, 249, 138
RGB Percent	88%, 98%, 54%
CMY	0.1178, 0.0235, 0.4588
CMYK	0.10, 0.00, 0.45, 0.02
HSL	73°, 90%, 76%
HSV	73°, 45%, 98%
XYZ	69.5042, 85.5939, 36.9025
YIQ	229.1700, 21.3270, -39.6090

Conversions

Conversions Part 2

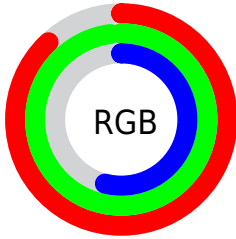
Format	Color
R_{YB}	138, 249, 162
Decimal	14809482
CIE _{Lab}	94.14, -24.27, 50.45
CIE _{LCh}	94, 55.985, 115.690
Yxy	85.5939, 0.3620, 0.4458
Android (android.graphics.Color)	4292999562 (0xFFE1F98A)
YUV	229.1700, -44.9468, -3.6571
Hunter-Lab	92.5170, -27.8049, 41.1127

Details

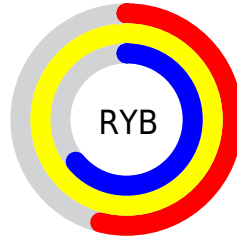
The Yxy color **85.5939, 0.3620, 0.4458** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.7064, 0.2453, 0.1952**, and the grayscale version is **78.8091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **47.1206, 0.3696, 0.4725** is the 20% darker color. If you saturate the color by 10%, you get **84.1036, 0.3706, 0.4705**, and if you desaturate by 10%, it is **87.2846, 0.3519, 0.4194**.

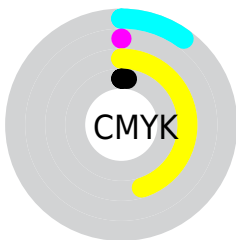
Distribution



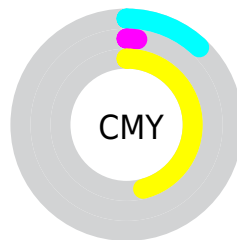
- Red (88%)
- Green (98%)
- Blue (54%)



- Red (54%)
- Yellow (98%)
- Blue (64%)



- Cyan (10%)
- Magenta (0%)
- Yellow (45%)
- Black (2%)





- Cyan (12%)
- Magenta (2%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5939, 0.3620, 0.4458 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 85.5939, 0.3620, 0.4458 by changing the saturation by 10% instead.


 85.5939, 0.3620,
0.4458


 85.5939, 0.3620,
0.4458


513.5912, 0.3421,
0.3921

 64.3322, 0.3657,
0.4577


 141.2026, 0.3558,
0.4274

 46.9198, 0.3697,
0.4720


 176.3185, 0.3532,
0.4202

 32.9723, 0.3740,
0.4896


 216.8212, 0.3508,
0.4140

 22.1052, 0.3782,
0.5115

263.0951, 0.3487,
0.4085

 13.9342, 0.3815,
0.5391

315.5247, 0.3468,
0.4037

 8.0749, 0.3826,
0.5755

374.4943, 0.3451,

 4.1429, 0.3765,

0.3994

0.6235

440.3884, 0.3436,
0.3956

■ 1.7538, 0.3382,
0.6618

■ 0.4582, 0.0000,
1.0000

■ 85.5939, 0.3620,
0.4458

■ 85.5939, 0.3620,
0.4458

■ 84.1036, 0.3706,
0.4705

■ 87.2846, 0.3519,
0.4194

■ 82.7905, 0.3773,
0.4924

■ 89.1749, 0.3408,
0.3925


■ 81.6454, 0.3815,
0.5104

■ 91.2783, 0.3294,
0.3658


■ 80.6528, 0.3830,
0.5239

■ 93.6039, 0.3179,
0.3402

 79.7942, 0.3821,
0.5326

 95.6669, 0.3111,
0.3233

 79.3703, 0.3808,
0.5359

 96.2422, 0.3130,
0.3233

Harmonies

Analogous

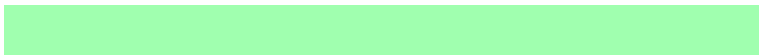
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5939, 0.4137, 0.4239



85.5939, 0.3620, 0.4458



85.5939, 0.2999, 0.4292

Triad

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



85.5939, 0.3620, 0.4458



85.5939, 0.2000, 0.2586



85.5939, 0.3802, 0.2866

Complementary

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



85.5939, 0.3620, 0.4458



32.7064, 0.2453, 0.1952

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.



85.5939, 0.3154, 0.2511



85.5939, 0.3620, 0.4458



85.5939, 0.2160, 0.2334

Square

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



85.5939, 0.3620, 0.4458



85.5939, 0.2094, 0.3086



85.5939, 0.2560, 0.2319



85.5939, 0.4276, 0.3323

Rectangle

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



85.5939, 0.3620, 0.4458



85.5939, 0.2612, 0.3955



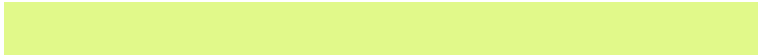
85.5939, 0.2560, 0.2319



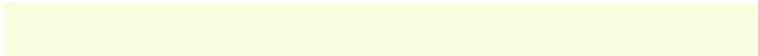
85.5939, 0.3593, 0.2733

Sweetspot

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



85.5977, 0.3620, 0.4458



96.7085, 0.3276, 0.3618



47.8383, 0.4200, 0.3551



20.5886, 0.3301, 0.3675



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

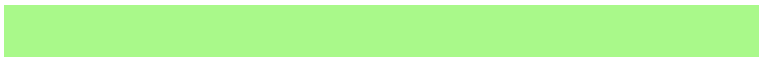
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5977, 0.3620, 0.4458



88.9939, 0.3694, 0.4669



78.0829, 0.3246, 0.4614



19.9898, 0.3235, 0.3527



42.5436, 0.3814, 0.5354



3.9857, 0.3862, 0.5316

Inverse Universe

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



32.7064, 0.2453, 0.1952



27.0199, 0.2294, 0.1667



39.8565, 0.2905, 0.2106



16.8243, 0.3013, 0.3047



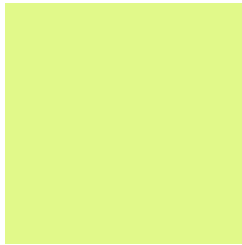
4.1305, 0.1612, 0.0662



0.4267, 0.1720, 0.0721

Previews

White Background



This preview shows how the Yxy color 85.5939, 0.3620, 0.4458 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 85.5939, 0.3620, 0.4458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

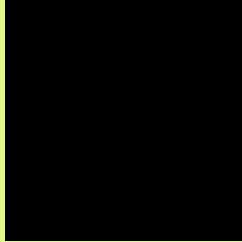
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5939, 0.3620, 0.4458

Background



This preview shows how black text looks on a background with the Yxy color 85.5939, 0.3620, 0.4458.

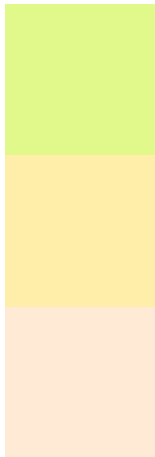


This preview shows how white text looks on a background with the Yxy color 85.5939, 0.3620, 0.4458.

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

85.5939, 0.3620, 0.4458

Protanopia

85.3114, 0.3683, 0.3973

Deuteranopia

84.9097, 0.3408, 0.3500



Tritanopia

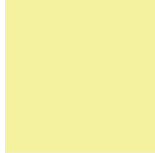
85.4974, 0.3037, 0.3111

Trichromacy



Original Color

85.5939, 0.3620, 0.4458



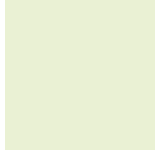
Protanomaly

85.2060, 0.3665, 0.4151



Deuteranomaly

84.5113, 0.3498, 0.3837



Tritanomaly

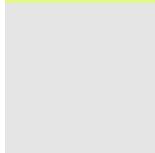
85.1565, 0.3259, 0.3592

Monochromacy



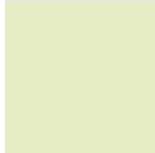
Original Color

85.5939, 0.3620, 0.4458



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.4704, 0.3325, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5939, 0.3620, 0.4458 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(225, 249, 138)` looks like.

```
.text, #text, p{  
    color:rgb(225, 249, 138)  
}
```

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(225, 249, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 249, 138) }
```

Border

The CSS property to change the border of an element to Yxy 85.5939, 0.3620, 0.4458 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(225, 249, 138) }
```

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

```
.border{ border-color:rgb(225, 249, 138) }
```

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

Here you see how a box with a 4 pixel rgb(225, 249, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 249, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 249, 138);  
box-shadow:4px 4px 4px 4px rgb(225, 249,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5939, 0.3620, 0.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 249, 138) }
```

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

```
.background{ background-color: rgb(225,  
249, 138) }
```

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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