

Converting Colors

$Yxy(85.8724, 0.3942, 0.4451)$

Have a look what the booklet for
Yxy(85.8724, 0.3942, 0.4451)
contains.

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Color

Yxy(85.9802, 0.3943, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	FEF27A
RGB	254, 242, 122
RGB Percent	100%, 95%, 48%
CMY	0.0038, 0.0510, 0.5215
CMYK	0.00, 0.05, 0.52, 0.00
HSL	55°, 99%, 74%
HSV	55°, 52%, 100%
XYZ	76.1500, 85.9802, 30.9969
YIQ	231.9080, 45.6720, -34.7760

Conversions

Conversions Part 2

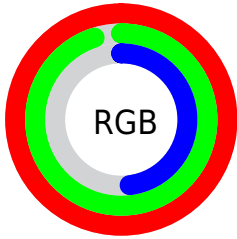
Format	Color
R _Y B	135, 254, 122
Decimal	16708218
CIE Lab	94.30, -11.06, 58.61
CIE LCh	94, 59.646, 100.686
Yxy	85.9802, 0.3943, 0.4452
Android (android.graphics.Color)	4294898298 (0xFFFEF27A)
YUV	231.9080, -54.1846, 19.3747
Hunter-Lab	92.7255, -15.6780, 45.0880

Details

The Yxy color **85.9802, 0.3943, 0.4452** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **28.3636, 0.2150, 0.1770**, and the grayscale version is **81.0180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **47.1373, 0.4084, 0.4683** is the 20% darker color. If you saturate the color by 10%, you get **84.0631, 0.4078, 0.4627**, and if you desaturate by 10%, it is **88.0873, 0.3792, 0.4248**.

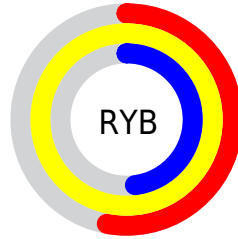
Distribution



Red (100%)

Green (95%)

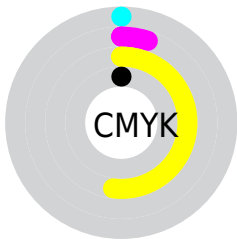
Blue (48%)



Red (53%)

Yellow (100%)

Blue (48%)

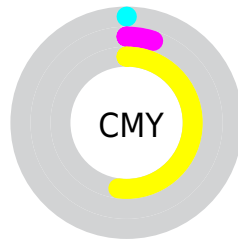


Cyan (0%)

Magenta (5%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9802, 0.3943, 0.4452 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 85.9802, 0.3943, 0.4452 by changing the saturation by 10% instead.


 85.9802, 0.3943,
0.4452

 85.9802, 0.3943,
0.4452


514.8659, 0.3603,
0.3941

 64.6516, 0.4008,
0.4558


 141.7419, 0.3835,
0.4283

 47.1786, 0.4082,
0.4682


 176.9437, 0.3790,
0.4214

 33.1769, 0.4163,
0.4828


 217.5388, 0.3750,
0.4154

 22.2620, 0.4250,
0.5000

263.9114, 0.3714,
0.4101

 14.0495, 0.4334,
0.5196

316.4461, 0.3682,
0.4054

 8.1551, 0.4471,
0.5504

375.5271, 0.3653,

 4.1944, 0.4383,

0.4012

0.5617

441.5389, 0.3627,
0.3975

■ 1.7829, 0.4216,
0.5784

■ 0.4765, 0.2774,
0.7226

■ 85.9802, 0.3943,
0.4452

■ 85.9802, 0.3943,
0.4452

■ 84.0631, 0.4078,
0.4627

■ 88.0873, 0.3792,
0.4248

■ 82.3110, 0.4191,
0.4763


■ 90.3843, 0.3632,
0.4025


■ 80.7125, 0.4278,
0.4856

■ 92.8857, 0.3470,
0.3793

■ 79.2495, 0.4336,
0.4904

■ 95.6016, 0.3310,
0.3561

 78.1510, 0.4366,
0.4915

 98.5410, 0.3156,
0.3334

99.8189, 0.3121,
0.3290

Harmonies

Analogous

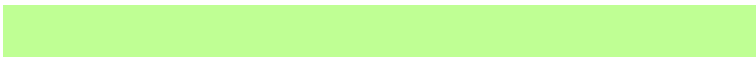
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9802, 0.4376, 0.4075



85.9802, 0.3943, 0.4452



85.9802, 0.3318, 0.4509

Triad

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



85.9802, 0.3943, 0.4452



85.9802, 0.1952, 0.2773



85.9802, 0.3505, 0.2636

Complementary

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



85.9802, 0.3943, 0.4452



28.3636, 0.2150, 0.1770

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.



85.9802, 0.2819, 0.2343



85.9802, 0.3943, 0.4452



85.9802, 0.1990, 0.2377

Square

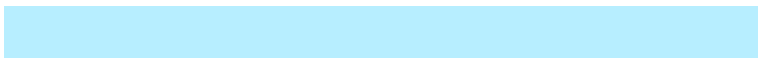
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9802, 0.3943, 0.4452



85.9802, 0.2186, 0.3412



85.9802, 0.2285, 0.2244



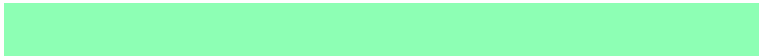
85.9802, 0.4136, 0.3071

Rectangle

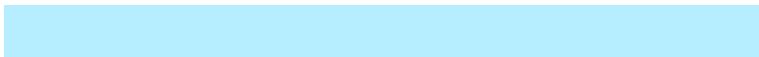
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9802, 0.3943, 0.4452



85.9802, 0.2880, 0.4289



85.9802, 0.2285, 0.2244



85.9802, 0.3270, 0.2519

Sweetspot

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



85.9842, 0.3943, 0.4452



95.2925, 0.3374, 0.3654



36.7557, 0.4490, 0.3159



20.2759, 0.3407, 0.3702



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

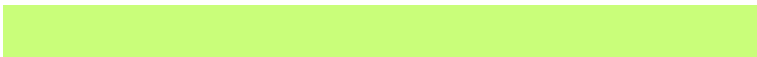
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9842, 0.3943, 0.4452



84.7782, 0.4078, 0.4627



84.7654, 0.3520, 0.4727



20.7905, 0.3271, 0.3504



41.3020, 0.4363, 0.4918



4.1009, 0.4341, 0.4935

Inverse Universe

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



28.3636, 0.2150, 0.1770



21.1967, 0.1951, 0.1441



30.1736, 0.2499, 0.1774



17.6442, 0.2979, 0.3067



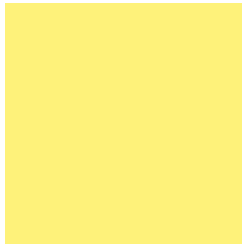
4.1877, 0.1516, 0.0659



0.4936, 0.1550, 0.0780

Previews

White Background



This preview shows how the Yxy color 85.9802, 0.3943, 0.4452 looks on a white background.

Color Contrast Check

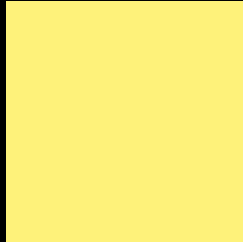
Large Text (above 18pt) WCAG AA × Fail

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 85.9802, 0.3943, 0.4452 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 85.9802, 0.3943, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 85.9802, 0.3943, 0.4452.

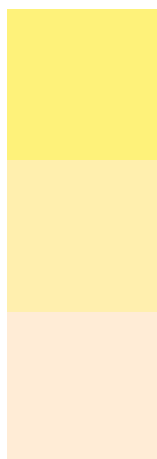


This preview shows how white text looks on a background with the Yxy color 85.9802, 0.3943, 0.4452.

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

85.9802, 0.3943, 0.4452

Protanopia

86.0490, 0.3654, 0.3943

Deuteranopia

86.1059, 0.3398, 0.3510



Tritanopia

86.0089, 0.3213, 0.3193

Trichromacy



Original Color

85.9802, 0.3943, 0.4452



Protanomaly

85.9467, 0.3770, 0.4137



Deuteranomaly

85.7453, 0.3612, 0.3863



Tritanomaly

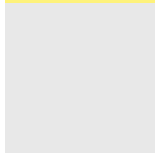
85.3744, 0.3498, 0.3662

Monochromacy



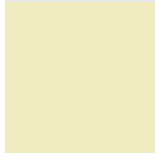
Original Color

85.9802, 0.3943, 0.4452



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.3219, 0.3436, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9802, 0.3943, 0.4452 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(254, 242, 122)` looks like.

```
.text, #text, p{  
    color:rgb(254, 242, 122)  
}
```

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(254, 242, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 242, 122) }
```

Border

The CSS property to change the border of an element to Yxy 85.9802, 0.3943, 0.4452 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(254, 242, 122) }
```

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

```
.border{ border-color:rgb(254, 242, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 242, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 242, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 242, 122);  
box-shadow:4px 4px 4px 4px rgb(254, 242,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9802, 0.3943, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 242, 122) }
```

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

```
.background{ background-color: rgb(254,  
242, 122) }
```

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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