

Converting Colors

$Y_{xy}(89.7005, 0.3632, 0.4055)$

Have a look what the booklet for
Yxy(89.7005, 0.3632, 0.4055)
contains.

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Color

Yxy(89.5093, 0.3637, 0.4051)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FCF6AA |
| RGB | 252, 246, 170 |
| RGB Percent | 99%, 96%, 67% |
| CMY | 0.0117, 0.0353, 0.3332 |
| CMYK | 0.00, 0.02, 0.33, 0.01 |
| HSL | 56°, 93%, 83% |
| HSV | 56°, 33%, 99% |
| XYZ | 80.3617, 89.5093, 51.0850 |
| YIQ | 239.1300, 27.9720, -22.3640 |

Conversions

Conversions Part 2

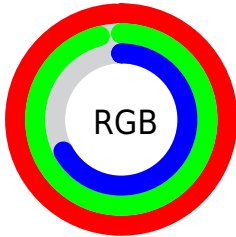
| Format | Color |
|-------------------------------------|---|
| RYB | 176, 252, 170 |
| Decimal | 16578218 |
| CIELab | 95.79, -9.07, 37.34 |
| CIELCh | 96, 38.424, 103.654 |
| Yxy | 89.5093, 0.3637, 0.4051 |
| Android (android.graphics.Color) | 4294768298 (0xFFFCF6AA) |
| YUV | 239.1300, -34.0811, 11.2870 |
| Hunter-Lab | 94.6094, -13.9475, 34.2125 |

Details

The Yxy color **89.5093, 0.3637, 0.4051** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.6450, 0.2550, 0.2394**, and the grayscale version is **86.6826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **49.5806, 0.3733, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **87.5304, 0.3793, 0.4276**, and if you desaturate by 10%, it is **91.6903, 0.3477, 0.3816**.

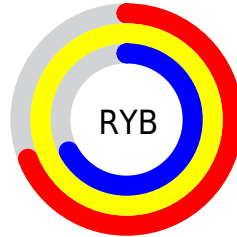
Distribution



Red (99%)

Green (96%)

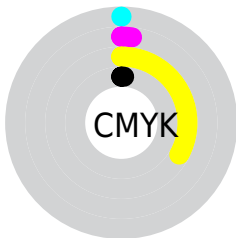
Blue (67%)



Red (69%)

Yellow (99%)

Blue (67%)

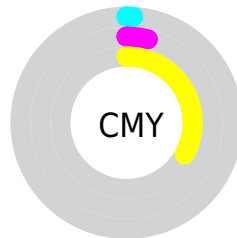


Cyan (0%)

Magenta (2%)

Yellow (33%)

Black (1%)



Cyan (1%)


Magenta (4%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5093, 0.3637, 0.4051 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 89.5093, 0.3637, 0.4051 by changing the saturation by 10% instead.


 89.5093, 0.3637,
0.4051

 89.5093, 0.3637,
0.4051

526.4333, 0.3417,
0.3710

 67.5737, 0.3683,
0.4125


 146.6566, 0.3564,
0.3935

 49.5510, 0.3737,
0.4215


182.6371, 0.3535,
0.3889

 35.0568, 0.3802,
0.4326

224.0681, 0.3509,
0.3850

 23.7066, 0.3881,
0.4464

271.3339, 0.3486,
0.3815

 15.1161, 0.3975,
0.4640

324.8189, 0.3466,
0.3784

 8.9009, 0.4086,
0.4869

384.9076, 0.3448,

 4.6766, 0.4238,

0.3756

0.5207

451.9842, 0.3432,
0.3732

■ 2.0588, 0.4363,
0.5637

■ 0.6413, 0.3770,
0.6230

■ 89.5093, 0.3637,
0.4051

■ 89.5093, 0.3637,
0.4051

■ 87.5304, 0.3793,
0.4276

■ 91.6903, 0.3477,
0.3816

■ 85.7310, 0.3939,
0.4481

■ 94.0709, 0.3318,
0.3579

■ 84.1035, 0.4068,
0.4656

■ 96.6643, 0.3165,
0.3347

■ 82.6349, 0.4174,
0.4792

■ 98.4165, 0.3109,
0.3275

■ 81.3103, 0.4254,
0.4884

99.4378, 0.3109,
0.3290

■ 80.1115, 0.4306,
0.4932

■ 79.2783, 0.4330,
0.4944

Harmonies

Analogous

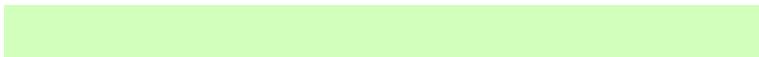
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5093, 0.3920, 0.3858



89.5093, 0.3637, 0.4051



89.5093, 0.3228, 0.4025

Triad

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



89.5093, 0.3637, 0.4051



89.5093, 0.2340, 0.2943



89.5093, 0.3419, 0.2883

Complementary

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



89.5093, 0.3637, 0.4051



46.6450, 0.2550, 0.2394

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.



89.5093, 0.2979, 0.2669



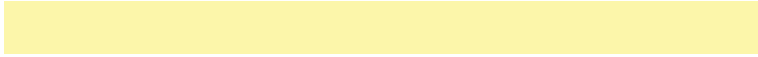
89.5093, 0.3637, 0.4051



89.5093, 0.2381, 0.2682

Square

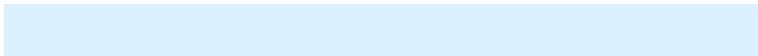
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.5093, 0.3637, 0.4051



89.5093, 0.2491, 0.3338



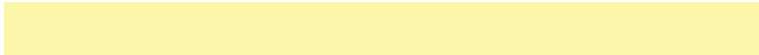
89.5093, 0.2606, 0.2593



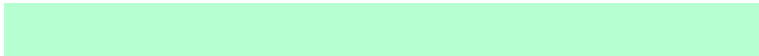
89.5093, 0.3797, 0.3194

Rectangle

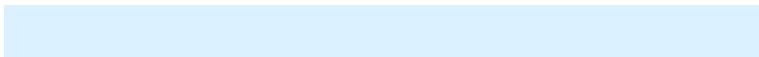
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5093, 0.3637, 0.4051



89.5093, 0.2943, 0.3868



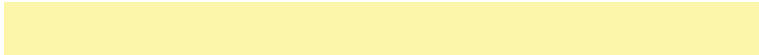
89.5093, 0.2606, 0.2593



89.5093, 0.3272, 0.2799

Sweetspot

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



89.5134, 0.3637, 0.4051



97.2779, 0.3279, 0.3520



52.6270, 0.3820, 0.3219



20.7434, 0.3301, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

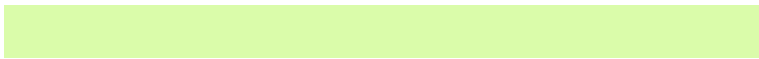
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5134, 0.3637, 0.4051



90.6004, 0.3739, 0.4199



87.4148, 0.3386, 0.4172



19.9600, 0.3271, 0.3508



41.3874, 0.4328, 0.4946



3.8964, 0.4310, 0.4960

Inverse Universe

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



46.6450, 0.2550, 0.2394



40.3815, 0.2416, 0.2181



48.6536, 0.2789, 0.2384



16.8473, 0.2979, 0.3063



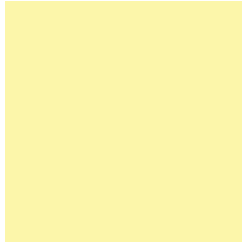
3.9708, 0.1513, 0.0645



0.4365, 0.1542, 0.0751

Previews

White Background



This preview shows how the Yxy color 89.5093, 0.3637, 0.4051 looks on a white background.

Color Contrast Check

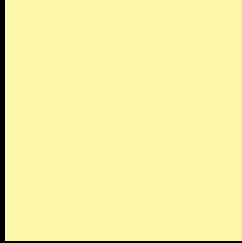
Large Text (above 18pt) WCAG AA × Fail

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 89.5093, 0.3637, 0.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

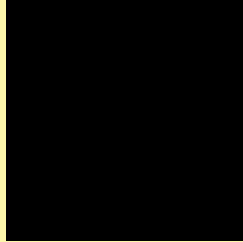
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.5093, 0.3637, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 89.5093, 0.3637, 0.4051.

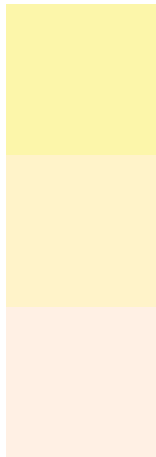


This preview shows how white text looks on a background with the Yxy color 89.5093, 0.3637, 0.4051.

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

89.5093, 0.3637, 0.4051

Protanopia

89.5782, 0.3471, 0.3709

Deuteranopia

89.1816, 0.3302, 0.3409



Tritanopia

89.3112, 0.3166, 0.3174

Trichromacy



Original Color

89.5093, 0.3637, 0.4051



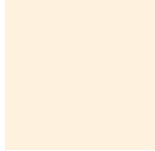
Protanomaly

89.4899, 0.3532, 0.3830



Deuteranomaly

89.0801, 0.3427, 0.3639



Tritanomaly

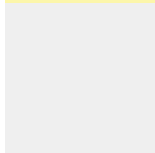
89.2019, 0.3339, 0.3488

Monochromacy



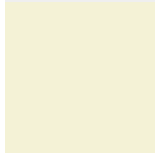
Original Color

89.5093, 0.3637, 0.4051



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.5924, 0.3314, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5093, 0.3637, 0.4051 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(252, 246, 170)` looks like.

```
.text, #text, p{  
    color:rgb(252, 246, 170)  
}
```

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(252, 246, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 246, 170) }
```

Border

The CSS property to change the border of an element to Yxy 89.5093, 0.3637, 0.4051 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(252, 246, 170) }
```

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

```
.border{ border-color:rgb(252, 246, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 246, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 246, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 246, 170);  
box-shadow:4px 4px 4px 4px rgb(252, 246,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5093, 0.3637, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 246, 170) }
```

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

```
.background{ background-color: rgb(252,  
246, 170) }
```

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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