

Converting Colors

$Yxy(89.6641, 0.3662, 0.4135)$

Have a look what the booklet for
Yxy(89.6641, 0.3662, 0.4135)
contains.

Yxy(89.4899, 0.3662, 0.4133)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.4899, 0.3662, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	FAF7A3
RGB	250, 247, 163
RGB Percent	98%, 97%, 64%
CMY	0.0197, 0.0313, 0.3608
CMYK	0.00, 0.01, 0.35, 0.02
HSL	58°, 90%, 81%
HSV	58°, 35%, 98%
XYZ	79.2916, 89.4899, 47.7438
YIQ	238.3210, 28.7520, -25.4880

Conversions

Conversions Part 2

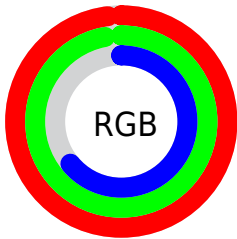
Format	Color
R_{YB}	166, 250, 163
Decimal	16447395
CIE _{Lab}	95.78, -11.14, 40.79
CIE _{LCh}	96, 42.284, 105.280
Yxy	89.4899, 0.3662, 0.4133
Android (android.graphics.Color)	4294637475 (0xFFFAF7A3)
YUV	238.3210, -37.1333, 10.2425
Hunter-Lab	94.5991, -15.9324, 36.2959

Details

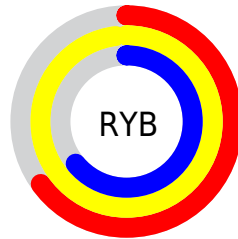
The Yxy color **89.4899, 0.3662, 0.4133** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.9505, 0.2499, 0.2279**, and the grayscale version is **86.0393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **49.5939, 0.3761, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **88.1633, 0.3809, 0.4361**, and if you desaturate by 10%, it is **91.0041, 0.3508, 0.3892**.

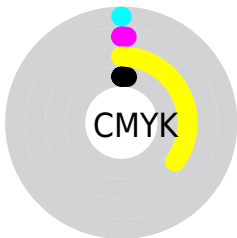
Distribution



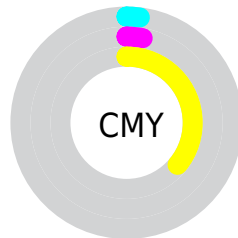
- Red (98%)
- Green (97%)
- Blue (64%)



- Red (65%)
- Yellow (98%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (2%)





- Cyan (2%)
- Magenta (3%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4899, 0.3662, 0.4133 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 89.4899, 0.3662, 0.4133 by changing the saturation by 10% instead.


 89.4899, 0.3662,
0.4133

 89.4899, 0.3662,
0.4133


526.3701, 0.3433,
0.3755

 67.5576, 0.3709,
0.4215


 146.6296, 0.3587,
0.4005

 49.5379, 0.3764,
0.4315


 182.6059, 0.3556,
0.3954

 35.0464, 0.3829,
0.4436


224.0323, 0.3529,
0.3910

 23.6986, 0.3906,
0.4588

271.2933, 0.3506,
0.3871

 15.1102, 0.3997,
0.4780

324.7731, 0.3485,
0.3837

 8.8968, 0.4097,
0.5026

384.8563, 0.3466,

 4.6739, 0.4266,

0.3806

0.5436

451.9271, 0.3449,
0.3779

■ 2.0572, 0.4243,
0.5757

■ 0.6404, 0.3446,
0.6554

■ 89.4899, 0.3662,
0.4133

■ 89.4899, 0.3662,
0.4133

■ 88.1633, 0.3809,
0.4361

■ 91.0041, 0.3508,
0.3892

■ 87.0017, 0.3942,
0.4565


■ 92.7034, 0.3351,
0.3646


■ 85.9975, 0.4056,
0.4735

■ 94.6007, 0.3198,
0.3403


■ 85.1376, 0.4146,
0.4865

■ 96.1788, 0.3098,
0.3246

 84.4069, 0.4208,
0.4951


 96.7121, 0.3097,
0.3254


 83.7866, 0.4244,
0.4993

 97.2478, 0.3097,
0.3262

 83.4933, 0.4255,
0.5003

 97.7859, 0.3097,
0.3271

 98.3265, 0.3097,
0.3279

 98.8695, 0.3096,
0.3287

Harmonies

Analogous

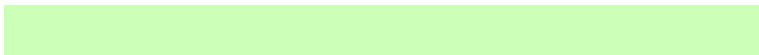
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4899, 0.3986, 0.3925



89.4899, 0.3662, 0.4133



89.4899, 0.3209, 0.4095

Triad

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



89.4899, 0.3662, 0.4133



89.4899, 0.2265, 0.2885



89.4899, 0.3473, 0.2861

Complementary

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



89.4899, 0.3662, 0.4133



41.9505, 0.2499, 0.2279

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.



89.4899, 0.2987, 0.2622



89.4899, 0.3662, 0.4133



89.4899, 0.2321, 0.2613

Square

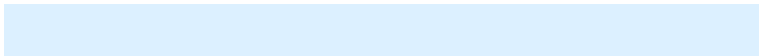
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4899, 0.3662, 0.4133



89.4899, 0.2416, 0.3314



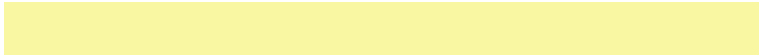
89.4899, 0.2574, 0.2529



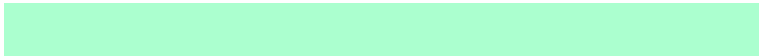
89.4899, 0.3883, 0.3201

Rectangle

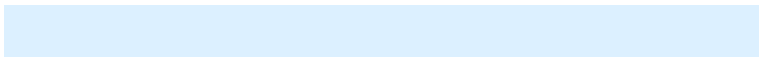
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.4899, 0.3662, 0.4133



89.4899, 0.2898, 0.3911



89.4899, 0.2574, 0.2529



89.4899, 0.3311, 0.2768

Sweetspot

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



89.4940, 0.3662, 0.4133



97.9104, 0.3278, 0.3529



49.3188, 0.3917, 0.3246



20.8977, 0.3299, 0.3563



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.



89.4940, 0.3662, 0.4133



92.6021, 0.3770, 0.4300



84.8310, 0.3382, 0.4244



20.0830, 0.3270, 0.3516



44.3396, 0.4254, 0.5004



4.1376, 0.4246, 0.5011

Inverse Universe

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



41.9505, 0.2499, 0.2279



35.8204, 0.2345, 0.2029



45.6725, 0.2782, 0.2321



16.7380, 0.2979, 0.3053



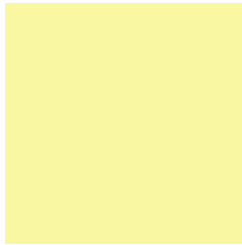
3.8011, 0.1506, 0.0621



0.3845, 0.1520, 0.0671

Previews

White Background



This preview shows how the Yxy color 89.4899, 0.3662, 0.4133 looks on a white background.

Color Contrast Check

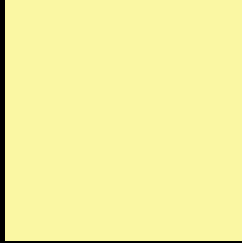
Large Text (above 18pt) WCAG AA × Fail

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 89.4899, 0.3662, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

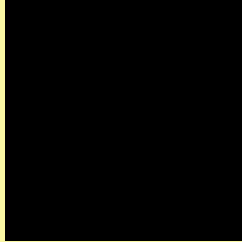
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.4899, 0.3662, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 89.4899, 0.3662, 0.4133.

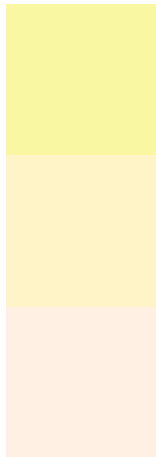


This preview shows how white text looks on a background with the Yxy color 89.4899, 0.3662, 0.4133.

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

89.4899, 0.3662, 0.4133

Protanopia

89.5313, 0.3477, 0.3719

Deuteranopia

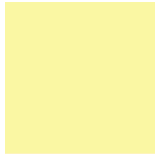
89.1262, 0.3309, 0.3418



Tritanopia

89.3741, 0.3159, 0.3165

Trichromacy



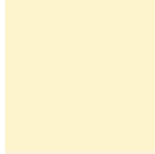
Original Color

89.4899, 0.3662, 0.4133



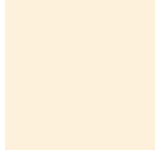
Protanomaly

89.1719, 0.3544, 0.3862



Deuteranomaly

89.3435, 0.3438, 0.3680



Tritanomaly

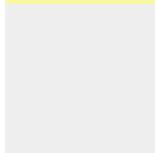
88.9077, 0.3345, 0.3509

Monochromacy



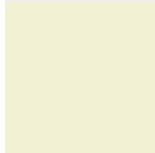
Original Color

89.4899, 0.3662, 0.4133



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.4910, 0.3320, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4899, 0.3662, 0.4133 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(250, 247, 163)` looks like.

```
.text, #text, p{  
    color:rgb(250, 247, 163)  
}
```

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(250, 247, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 247, 163) }
```

Border

The CSS property to change the border of an element to Yxy 89.4899, 0.3662, 0.4133 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(250, 247, 163) }
```

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

```
.border{ border-color:rgb(250, 247, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 247, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 247, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 247, 163);  
box-shadow:4px 4px 4px 4px rgb(250, 247,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4899, 0.3662, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 247, 163) }
```

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

```
.background{ background-color: rgb(250,  
247, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor