

Converting Colors

$Yxy(88.9989, 0.3501, 0.3774)$

Have a look what the booklet for
Yxy(88.9989, 0.3501, 0.3774)
contains.

Yxy(89.1121, 0.3502, 0.3770)	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(89.1121, 0.3502, 0.3770)

Conversions

Conversions Part 1

Format	Color
Hex	FEF3C3
RGB	254, 243, 195
RGB Percent	100%, 95%, 76%
CMY	0.0039, 0.0470, 0.2352
CMYK	0.00, 0.04, 0.23, 0.00
HSL	49°, 97%, 88%
HSV	49°, 23%, 100%
XYZ	82.7773, 89.1121, 64.4822
YIQ	240.8170, 21.9640, -12.5960

Conversions

Conversions Part 2

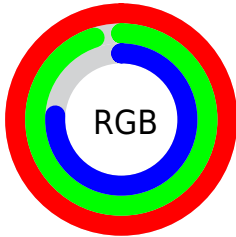
Format	Color
R _Y B	209, 254, 195
Decimal	16708547
CIE Lab	95.63, -3.67, 24.51
CIE LCh	96, 24.780, 98.507
Yxy	89.1121, 0.3502, 0.3770
Android (android.graphics.Color)	4294898627 (0xFFFEF3C3)
YUV	240.8170, -22.5878, 11.5615
Hunter-Lab	94.3992, -8.6745, 25.5797

Details

The Yxy color **89.1121, 0.3502, 0.3770** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.9182, 0.2740, 0.2759**, and the grayscale version is **87.9839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **49.3341, 0.3584, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **85.2633, 0.3677, 0.3981**, and if you desaturate by 10%, it is **93.2375, 0.3334, 0.3559**.

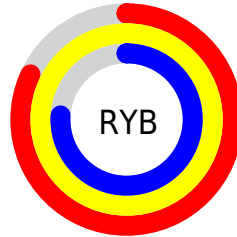
Distribution



Red (100%)

Green (95%)

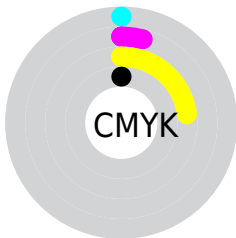
Blue (76%)



Red (82%)

Yellow (100%)

Blue (76%)

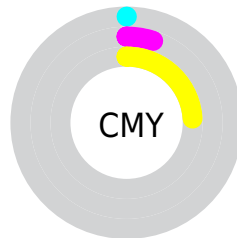


Cyan (0%)

Magenta (4%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1121, 0.3502, 0.3770 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 89.1121, 0.3502, 0.3770 by changing the saturation by 10% instead.


 89.1121, 0.3502,
0.3770

 89.1121, 0.3502,
0.3770


525.1383, 0.3336,
0.3555

 67.2445, 0.3538,
0.3817


146.1044, 0.3446,
0.3697

 49.2833, 0.3581,
0.3875


181.9979, 0.3424,
0.3668

 34.8443, 0.3634,
0.3946


223.3355, 0.3405,
0.3643

 23.5429, 0.3701,
0.4036

270.5016, 0.3388,
0.3621

 14.9949, 0.3787,
0.4154

323.8805, 0.3373,
0.3602

 8.8158, 0.3900,
0.4313

383.8566, 0.3359,

 4.6212, 0.4053,

0.3584

0.4536

450.8144, 0.3347,
0.3569

■ 2.0268, 0.4469,
0.5102

■ 0.6230, 0.4465,
0.5535

■ 89.1121, 0.3502,
0.3770

■ 89.1121, 0.3502,
0.3770

■ 85.2633, 0.3677,
0.3981

■ 93.2375, 0.3334,
0.3559

■ 81.6688, 0.3854,
0.4185

■ 97.6373, 0.3176,
0.3354

■ 78.3212, 0.4027,
0.4371

■ 99.8117, 0.3121,
0.3290

■ 75.2080, 0.4188,
0.4529

■ 72.3155, 0.4329,
0.4650

■ 69.6277, 0.4445,
0.4725

■ 67.1251, 0.4530,
0.4753

■ 65.5149, 0.4574,
0.4750

Harmonies

Analogous

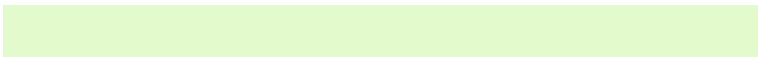
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1121, 0.3659, 0.3639



89.1121, 0.3502, 0.3770



89.1121, 0.3248, 0.3768

Triad

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



89.1121, 0.3502, 0.3770



89.1121, 0.2615, 0.3113



89.1121, 0.3271, 0.2990

Complementary

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



89.1121, 0.3502, 0.3770



62.9182, 0.2740, 0.2759

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.



89.1121, 0.2988, 0.2860



89.1121, 0.3502, 0.3770



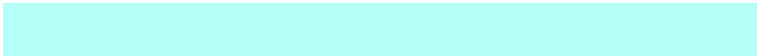
89.1121, 0.2620, 0.2918

Square

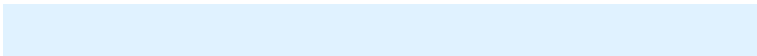
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1121, 0.3502, 0.3770



89.1121, 0.2741, 0.3373



89.1121, 0.2753, 0.2831



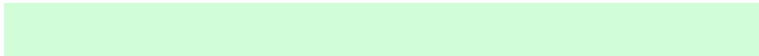
89.1121, 0.3524, 0.3194

Rectangle

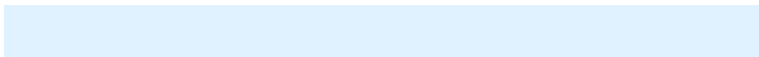
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1121, 0.3502, 0.3770



89.1121, 0.3060, 0.3684



89.1121, 0.2753, 0.2831



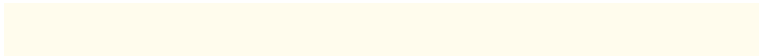
89.1121, 0.3176, 0.2937

Sweetspot

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



89.1161, 0.3502, 0.3770



96.7971, 0.3234, 0.3431



64.6104, 0.3514, 0.3169



20.6609, 0.3244, 0.3443



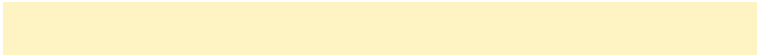
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

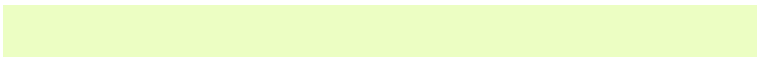
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1161, 0.3502, 0.3770



88.0186, 0.3585, 0.3872



92.7141, 0.3361, 0.3895



20.4806, 0.3274, 0.3482



34.7432, 0.4567, 0.4756



3.5250, 0.4517, 0.4796

Inverse Universe

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



62.9182, 0.2740, 0.2759



57.2567, 0.2651, 0.2632



60.3028, 0.2852, 0.2656



17.9258, 0.2979, 0.3091



5.0148, 0.1548, 0.0772



0.6277, 0.1599, 0.0957

Previews

White Background



This preview shows how the Yxy color 89.1121, 0.3502, 0.3770 looks on a white background.

Color Contrast Check

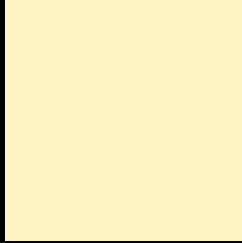
Large Text (above 18pt) WCAG AA × Fail

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 89.1121, 0.3502, 0.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

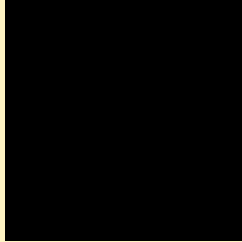
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.1121, 0.3502, 0.3770

Background



This preview shows how black text looks on a background with the Yxy color 89.1121, 0.3502, 0.3770.



This preview shows how white text looks on a background with the Yxy color 89.1121, 0.3502, 0.3770.

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

89.1121, 0.3502, 0.3770

Protanopia

89.0761, 0.3460, 0.3679

Deuteranopia

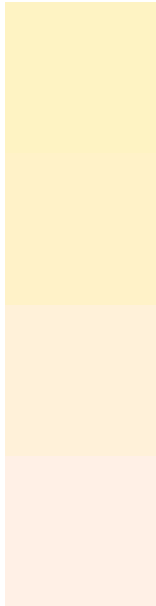
89.2933, 0.3290, 0.3389



Tritanopia

89.3112, 0.3166, 0.3174

Trichromacy



Original Color

89.1121, 0.3502, 0.3770

Protanomaly

88.9344, 0.3479, 0.3709

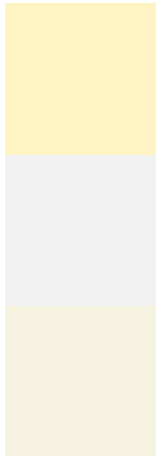
Deuteranomaly

89.1803, 0.3371, 0.3528

Tritanomaly

89.2933, 0.3290, 0.3389

Monochromacy



Original Color

89.1121, 0.3502, 0.3770

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.4789, 0.3264, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1121, 0.3502, 0.3770 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, 243, 195)` looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 195)  
}
```

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, 243, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 195) }
```

Border

The CSS property to change the border of an element to Yxy 89.1121, 0.3502, 0.3770 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, 243, 195) }
```

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

```
.border{ border-color:rgb(254, 243, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 243, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 195);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1121, 0.3502, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 243, 195) }
```

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

```
.background{ background-color: rgb(254,  
243, 195) }
```

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