

Converting Colors

$Y_{xy}(100.0000, 0.3787, 0.3645)$

Have a look what the booklet for
Yxy(100.0000, 0.3787, 0.3645)
contains.

| | |
|--|----|
| Yxy(89.6730, 0.3458, 0.3688) | 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(89.6730, 0.3458, 0.3688)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FFF3CB |
| RGB | 255, 243, 203 |
| RGB Percent | 100%, 95%, 80% |
| CMY | 0.0000, 0.0471, 0.2038 |
| CMYK | 0.00, 0.05, 0.20, 0.00 |
| HSL | 46°, 100%, 90% |
| HSV | 46°, 20%, 100% |
| XYZ | 84.0806, 89.6730, 69.3945 |
| YIQ | 242.0280, 19.9920, -9.8960 |

Conversions

Conversions Part 2

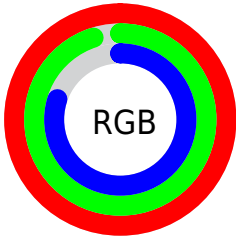
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 219, 255, 203 |
| Decimal | 16774091 |
| CIE Lab | 95.86, -2.18, 20.75 |
| CIE LCh | 96, 20.863, 95.998 |
| Yxy | 89.6730, 0.3458, 0.3688 |
| Android (android.graphics.Color) | 4294964171 (0xFFFFF3CB) |
| YUV | 242.0280, -19.2408, 11.3764 |
| Hunter-Lab | 94.6958, -7.2272, 22.8385 |

Details

The Yxy color **89.6730, 0.3458, 0.3688** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.5393, 0.2793, 0.2858**, and the grayscale version is **88.9592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7163, 0.3527, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **85.0845, 0.3637, 0.3890**, and if you desaturate by 10%, it is **94.5715, 0.3289, 0.3489**.

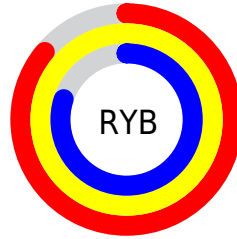
Distribution



Red (100%)

Green (95%)

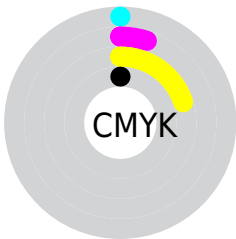
Blue (80%)



Red (86%)

Yellow (100%)

Blue (80%)

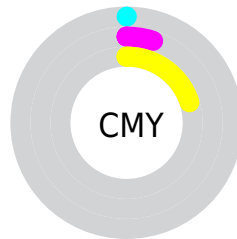


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6730, 0.3458, 0.3688 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 89.6730, 0.3458, 0.3688 by changing the saturation by 10% instead.

 89.6730, 0.3458,
0.3688

 89.6730, 0.3458,
0.3688

526.9666, 0.3311,
0.3510

 67.7095, 0.3490,
0.3727

146.8841, 0.3408,
0.3628

 49.6614, 0.3529,
0.3774


182.9004, 0.3389,
0.3604

 35.1444, 0.3576,
0.3833


224.3698, 0.3372,
0.3583

 23.7742, 0.3637,
0.3908

271.6767, 0.3357,
0.3565

 15.1662, 0.3715,
0.4006

325.2054, 0.3343,
0.3549

 8.9361, 0.3820,
0.4139

385.3404, 0.3332,

 4.6995, 0.3967,

0.3535

0.4328

452.4659, 0.3321,
0.3522

■ 2.0721, 0.4256,
0.4698

■ 0.6488, 0.4648,
0.5352

■ 89.6730, 0.3458,
0.3688

■ 89.6730, 0.3458,
0.3688

■ 85.0845, 0.3637,
0.3890

■ 94.5715, 0.3289,
0.3489

■ 80.7998, 0.3822,
0.4087

99.7948, 0.3133,
0.3297

■ 76.8057, 0.4007,
0.4272

100.0000, 0.3127,
0.3290

■ 73.0896, 0.4186,
0.4432

■ 69.6374, 0.4350,
0.4558

■ 66.4330, 0.4490,
0.4640

■ 63.4577, 0.4601,
0.4673

■ 60.7830, 0.4682,
0.4665

Harmonies

Analogous

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



89.6730, 0.3579, 0.3573



89.6730, 0.3458, 0.3688



89.6730, 0.3250, 0.3694

Triad

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



89.6730, 0.3458, 0.3688



89.6730, 0.2699, 0.3160



89.6730, 0.3229, 0.3024

Complementary

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



89.6730, 0.3458, 0.3688



68.5393, 0.2793, 0.2858

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.



89.6730, 0.2992, 0.2919



89.6730, 0.3458, 0.3688



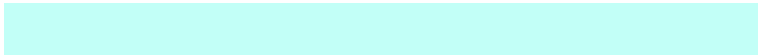
89.6730, 0.2693, 0.2989

Square

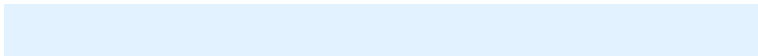
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6730, 0.3458, 0.3688



89.6730, 0.2815, 0.3379



89.6730, 0.2798, 0.2905



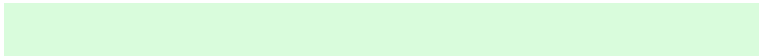
89.6730, 0.3445, 0.3194

Rectangle

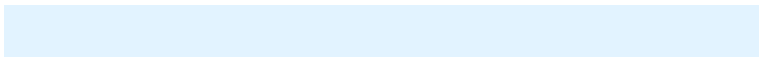
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6730, 0.3458, 0.3688



89.6730, 0.3092, 0.3630



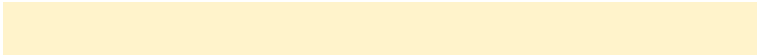
89.6730, 0.2798, 0.2905



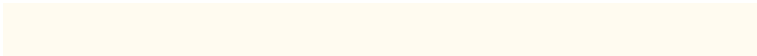
89.6730, 0.3149, 0.2981

Sweetspot

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



89.6714, 0.3458, 0.3688



96.8192, 0.3219, 0.3404



68.9003, 0.3443, 0.3167



20.6507, 0.3229, 0.3416



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

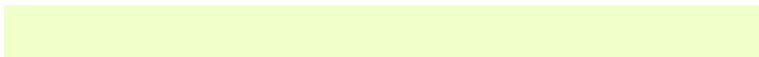
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6714, 0.3458, 0.3688



87.9756, 0.3521, 0.3761



94.5589, 0.3344, 0.3815



20.3373, 0.3275, 0.3472



31.9986, 0.4672, 0.4673



3.2803, 0.4606, 0.4725

Inverse Universe

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



68.5393, 0.2793, 0.2858



63.7439, 0.2728, 0.2770



64.6806, 0.2879, 0.2739



18.0585, 0.2979, 0.3102



5.5873, 0.1569, 0.0848



0.7013, 0.1625, 0.1050

Previews

White Background



This preview shows how the Yxy color 89.6730, 0.3458, 0.3688 looks on a white background.

Color Contrast Check

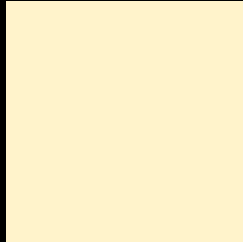
Large Text (above 18pt) WCAG AA × Fail

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 89.6730, 0.3458, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

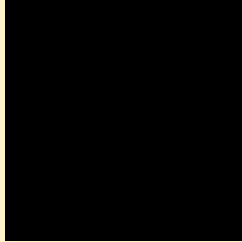
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.6730, 0.3458, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 89.6730, 0.3458, 0.3688.



This preview shows how white text looks on a background with the Yxy color 89.6730, 0.3458, 0.3688.

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

89.6730, 0.3458, 0.3688

Protanopia

89.9153, 0.3426, 0.3638

Deuteranopia

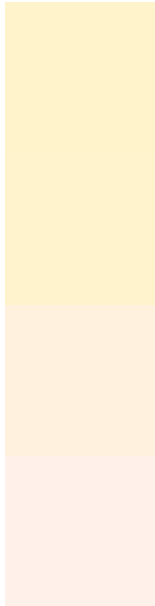
89.4064, 0.3277, 0.3369



Tritanopia

89.8951, 0.3165, 0.3184

Trichromacy



Original Color

89.6730, 0.3458, 0.3688

Protanomaly

89.8174, 0.3439, 0.3658

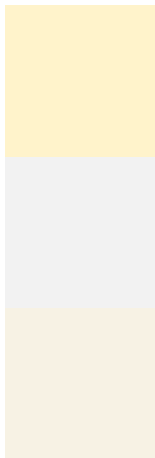
Deuteranomaly

89.3911, 0.3346, 0.3488

Tritanomaly

89.4634, 0.3271, 0.3359

Monochromacy



Original Color

89.6730, 0.3458, 0.3688

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.8799, 0.3246, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6730, 0.3458, 0.3688 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(255, 243, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 203)  
}
```

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(255, 243, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 203) }
```

Border

The CSS property to change the border of an element to Yxy 89.6730, 0.3458, 0.3688 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(255, 243, 203) }
```

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

```
.border{ border-color:rgb(255, 243, 203) }
```

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

Here you see how a box with a 4 pixel rgb(255, 243, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6730, 0.3458, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 203) }
```

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

```
.background{ background-color: rgb(255,  
243, 203) }
```

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