

Converting Colors

$Y_{xy}(100.0000, 0.3707, 0.3520)$

Have a look what the booklet for
Yxy(100.0000, 0.3707, 0.3520)
contains.

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Color

Yxy(89.7221, 0.3376, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2D8
RGB	255, 242, 216
RGB Percent	100%, 95%, 85%
CMY	0.0002, 0.0509, 0.1529
CMYK	0.00, 0.05, 0.15, 0.00
HSL	40°, 100%, 92%
HSV	40°, 15%, 100%
XYZ	85.3726, 89.7221, 77.7861
YIQ	242.9230, 16.0940, -5.3300

Conversions

Conversions Part 2

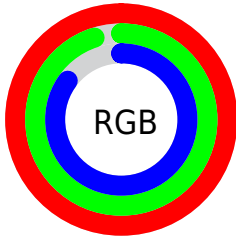
Format	Color
R_{YB}	236, 255, 216
Decimal	16773848
CIE Lab	95.88, 0.18, 14.11
CIE LCh	96, 14.110, 89.278
Yxy	89.7221, 0.3376, 0.3548
Android (android.graphics.Color)	4294963928 (0xFFFFF2D8)
YUV	242.9230, -13.2730, 10.5915
Hunter-Lab	94.7218, -4.8813, 17.6159

Details

The Yxy color **89.7221, 0.3376, 0.3548** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77.8158, 0.2884, 0.3018**, and the grayscale version is **89.6590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6968, 0.3431, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **83.5864, 0.3559, 0.3725**, and if you desaturate by 10%, it is **96.3035, 0.3209, 0.3377**.

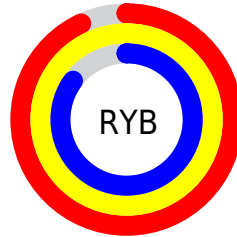
Distribution



Red (100%)

Green (95%)

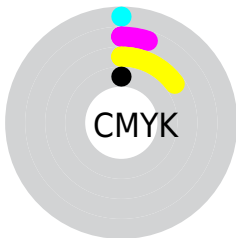
Blue (85%)



Red (93%)

Yellow (100%)

Blue (85%)

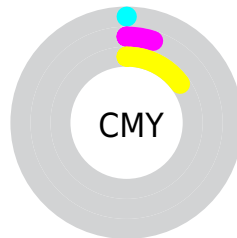


Cyan (0%)

Magenta (5%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7221, 0.3376, 0.3548 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 89.7221, 0.3376, 0.3548 by changing the saturation by 10% instead.

 89.7221, 0.3376,
0.3548

 89.7221, 0.3376,
0.3548

527.1264, 0.3265,
0.3433

 67.7502, 0.3400,
0.3573

146.9523, 0.3338,
0.3509

 49.6945, 0.3430,
0.3604


182.9794, 0.3323,
0.3494

 35.1707, 0.3467,
0.3642


224.4603, 0.3311,
0.3480

 23.7944, 0.3514,
0.3690

271.7795, 0.3299,
0.3468

 15.1812, 0.3575,
0.3754

325.3213, 0.3289,
0.3458

 8.9467, 0.3660,
0.3841

385.4701, 0.3280,

 4.7064, 0.3782,

0.3449

0.3968

452.6104, 0.3272,
0.3441

■ 2.0760, 0.3974,
0.4165

■ 0.6511, 0.4890,
0.5110

■ 89.7221, 0.3376,
0.3548

■ 89.7221, 0.3376,
0.3548

■ 83.5864, 0.3559,
0.3725

■ 96.3035, 0.3209,
0.3377

■ 77.8718, 0.3757,
0.3903

99.9901, 0.3127,
0.3290

■ 72.5690, 0.3966,
0.4074

■ 67.6637, 0.4179,
0.4229

■ 63.1405, 0.4388,
0.4357

■ 58.9820, 0.4583,
0.4446

■ 55.1686, 0.4753,
0.4486

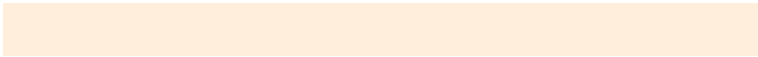
■ 51.6770, 0.4890,
0.4474

■ 50.1246, 0.4946,
0.4455

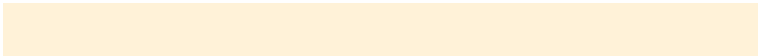
Harmonies

Analogous

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



89.7221, 0.3439, 0.3460



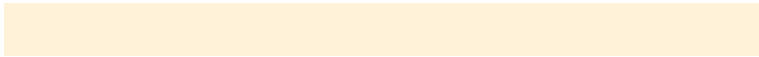
89.7221, 0.3376, 0.3548



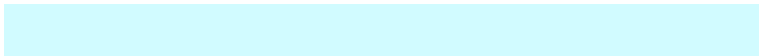
89.7221, 0.3247, 0.3567

Triad

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



89.7221, 0.3376, 0.3548



89.7221, 0.2847, 0.3237



89.7221, 0.3161, 0.3087

Complementary

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



89.7221, 0.3376, 0.3548



77.8158, 0.2884, 0.3018

Split Complementary

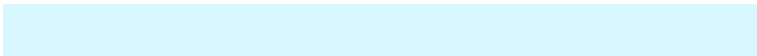
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7221, 0.3003, 0.3028



89.7221, 0.3376, 0.3548



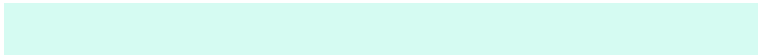
89.7221, 0.2825, 0.3110

Square

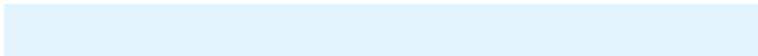
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.7221, 0.3376, 0.3548



89.7221, 0.2942, 0.3384



89.7221, 0.2881, 0.3035



89.7221, 0.3313, 0.3197

Rectangle

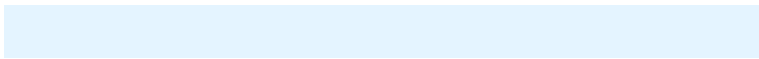
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.7221, 0.3376, 0.3548



89.7221, 0.3141, 0.3535



89.7221, 0.2881, 0.3035



89.7221, 0.3107, 0.3061

Sweetspot

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



89.7261, 0.3376, 0.3548



96.5356, 0.3204, 0.3372



76.0205, 0.3323, 0.3161



20.5603, 0.3216, 0.3384



0.0000, 0.0000, 0.0000



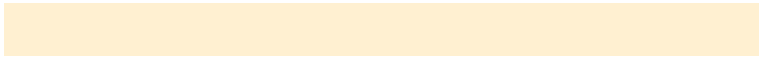
21.4041, 0.3127, 0.3290

Same Dimension

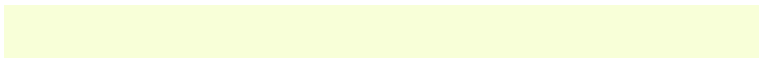
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7261, 0.3376, 0.3548



88.0511, 0.3424, 0.3596



96.4848, 0.3315, 0.3676



20.0152, 0.3277, 0.3448



26.4888, 0.4931, 0.4467



2.7799, 0.4825, 0.4551

Inverse Universe

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



77.8158, 0.2884, 0.3018



74.2808, 0.2838, 0.2964



71.9387, 0.2922, 0.2884



18.3626, 0.2979, 0.3127



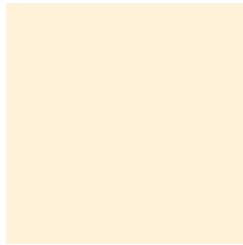
7.3803, 0.1631, 0.1071



0.9095, 0.1693, 0.1295

Previews

White Background



This preview shows how the Yxy color 89.7221, 0.3376, 0.3548 looks on a white background.

Color Contrast Check

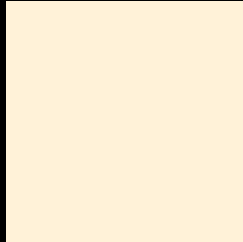
Large Text (above 18pt) WCAG AA × Fail

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 89.7221, 0.3376, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

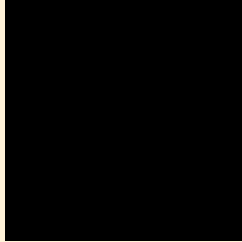
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.7221, 0.3376, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 89.7221, 0.3376, 0.3548.



This preview shows how white text looks on a background with the Yxy color 89.7221, 0.3376, 0.3548.

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

89.7221, 0.3376, 0.3548

Protanopia

89.5330, 0.3370, 0.3548

Deuteranopia

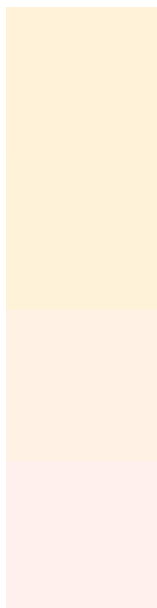
89.5783, 0.3258, 0.3339



Tritanopia

89.9580, 0.3159, 0.3174

Trichromacy



Original Color

89.7221, 0.3376, 0.3548

Protanomaly

89.5330, 0.3370, 0.3548

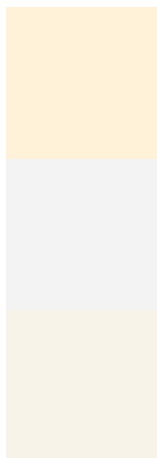
Deuteranomaly

89.7720, 0.3301, 0.3418

Tritanomaly

89.7532, 0.3239, 0.3310

Monochromacy



Original Color

89.7221, 0.3376, 0.3548

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.7585, 0.3214, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7221, 0.3376, 0.3548 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, 242, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 216)  
}
```

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, 242, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 216) }
```

Border

The CSS property to change the border of an element to Yxy 89.7221, 0.3376, 0.3548 is called "border". The border property can be set on classes, ids or directly on the HTML element.

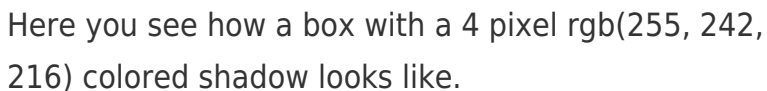
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 242, 216) }
```

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

```
.border{ border-color:rgb(255, 242, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 242, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 242, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 242, 216); box-shadow:4px 4px 4px 4px rgb(255, 242, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7221, 0.3376, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 216) }
```

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

```
.background{ background-color: rgb(255,  
242, 216) }
```

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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