

Converting Colors

$Y_{xy}(90.0731, 0.3425, 0.3640)$

Have a look what the booklet for
Yxy(90.0731, 0.3425, 0.3640)
contains.

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Color

Yxy(89.9153, 0.3426, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	FFF3D0
RGB	255, 243, 208
RGB Percent	100%, 95%, 82%
CMY	0.0000, 0.0470, 0.1843
CMYK	0.00, 0.05, 0.18, 0.00
HSL	45°, 100%, 91%
HSV	45°, 18%, 100%
XYZ	84.6756, 89.9153, 72.5650
YIQ	242.5980, 18.3870, -8.3410

Conversions

Conversions Part 2

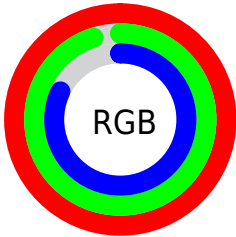
Format	Color
RYB	224, 255, 208
Decimal	16774096
CIELab	95.96, -1.48, 18.34
CIELCh	96, 18.400, 94.627
Yxy	89.9153, 0.3426, 0.3638
Android (android.graphics.Color)	4294964176 (0xFFFFF3D0)
YUV	242.5980, -17.0568, 10.8766
Hunter-Lab	94.8237, -6.5446, 21.0042

Details

The Yxy color **89.9153, 0.3426, 0.3638** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.8121, 0.2828, 0.2916**, and the grayscale version is **89.4209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8795, 0.3486, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **84.9370, 0.3606, 0.3834**, and if you desaturate by 10%, it is **95.2410, 0.3258, 0.3446**.

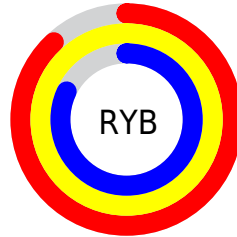
Distribution



Red (100%)

Green (95%)

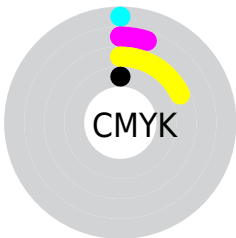
Blue (82%)



Red (88%)

Yellow (100%)

Blue (82%)

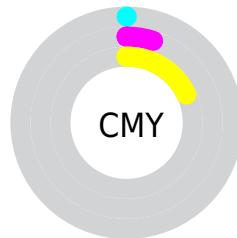


Cyan (0%)

Magenta (5%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9153, 0.3426, 0.3638 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 89.9153, 0.3426, 0.3638 by changing the saturation by 10% instead.


 89.9153, 0.3426,
0.3638

 89.9153, 0.3426,
0.3638

527.7553, 0.3293,
0.3483

 67.9104, 0.3455,
0.3672


147.2207, 0.3381,
0.3585

 49.8248, 0.3490,
0.3714


183.2901, 0.3363,
0.3564

 35.2742, 0.3534,
0.3765


224.8163, 0.3348,
0.3546

 23.8742, 0.3589,
0.3830

272.1839, 0.3334,
0.3530

 15.2403, 0.3660,
0.3916

325.7772, 0.3322,
0.3516

 8.9882, 0.3758,
0.4033

385.9806, 0.3312,

 4.7335, 0.3896,

0.3504

0.4201

453.1785, 0.3302,
0.3493

■ 2.0918, 0.4132,
0.4491

■ 0.6600, 0.4725,
0.5275

■ 89.9153, 0.3426,
0.3638

■ 89.9153, 0.3426,
0.3638

■ 84.9370, 0.3606,
0.3834

■ 95.2410, 0.3258,
0.3446

■ 80.2838, 0.3794,
0.4028

100.0000, 0.3127,
0.3290

■ 75.9475, 0.3986,
0.4211

■ 71.9153, 0.4174,
0.4373

■ 68.1731, 0.4350,
0.4502

■ 64.7049, 0.4505,
0.4590

■ 61.4920, 0.4632,
0.4629

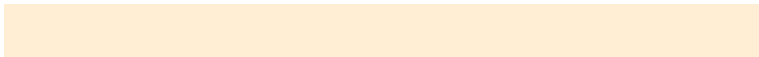
■ 58.5090, 0.4728,
0.4620

■ 58.0569, 0.4742,
0.4617

Harmonies

Analogous

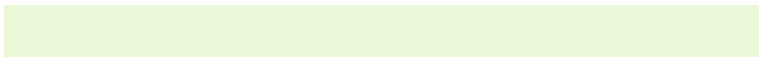
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9153, 0.3527, 0.3535



89.9153, 0.3426, 0.3638



89.9153, 0.3246, 0.3647

Triad

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



89.9153, 0.3426, 0.3638



89.9153, 0.2752, 0.3185



89.9153, 0.3208, 0.3049

Complementary

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



89.9153, 0.3426, 0.3638



71.8121, 0.2828, 0.2916

Split Complementary

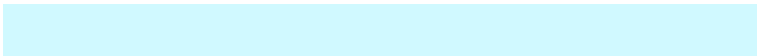
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9153, 0.2999, 0.2959



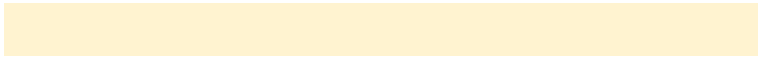
89.9153, 0.3426, 0.3638



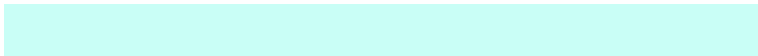
89.9153, 0.2742, 0.3031

Square

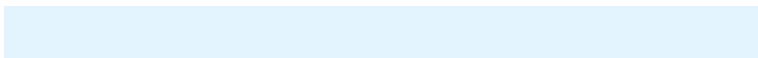
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.9153, 0.3426, 0.3638



89.9153, 0.2858, 0.3378



89.9153, 0.2831, 0.2951



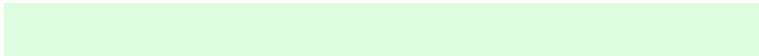
89.9153, 0.3400, 0.3198

Rectangle

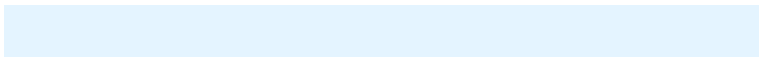
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.9153, 0.3426, 0.3638



89.9153, 0.3107, 0.3593



89.9153, 0.2831, 0.2951



89.9153, 0.3137, 0.3011

Sweetspot

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



89.9191, 0.3426, 0.3638



96.5877, 0.3219, 0.3400



71.5667, 0.3395, 0.3164



20.5959, 0.3230, 0.3412



0.0000, 0.0000, 0.0000



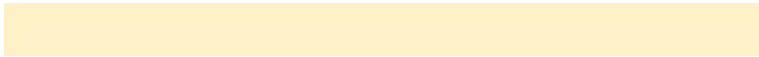
21.4041, 0.3127, 0.3290

Same Dimension

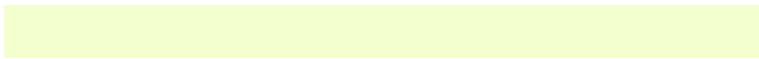
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9191, 0.3426, 0.3638



88.1030, 0.3489, 0.3708



95.3130, 0.3333, 0.3761



20.2597, 0.3276, 0.3466



30.5884, 0.4731, 0.4625



3.1535, 0.4656, 0.4685

Inverse Universe

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



71.8121, 0.2828, 0.2916



67.0453, 0.2766, 0.2834



67.3859, 0.2895, 0.2795



18.1310, 0.2979, 0.3108



5.9527, 0.1582, 0.0895



0.7459, 0.1640, 0.1105

Previews

White Background



This preview shows how the Yxy color 89.9153, 0.3426, 0.3638 looks on a white background.

Color Contrast Check

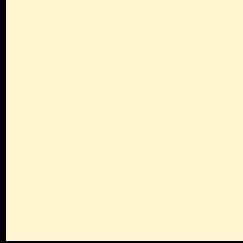
Large Text (above 18pt) WCAG AA × Fail

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 89.9153, 0.3426, 0.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

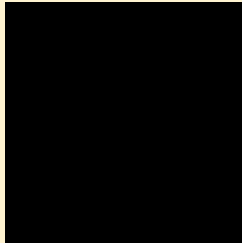
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.9153, 0.3426, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 89.9153, 0.3426, 0.3638.



This preview shows how white text looks on a background with the Yxy color 89.9153, 0.3426, 0.3638.

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

89.9153, 0.3426, 0.3638

Protanopia

90.0643, 0.3407, 0.3608

Deuteranopia

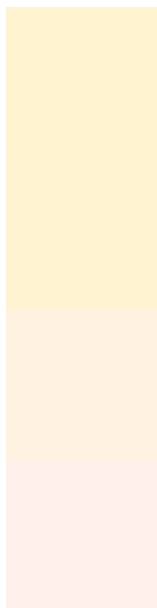
90.1111, 0.3263, 0.3359



Tritanopia

89.9580, 0.3159, 0.3174

Trichromacy



Original Color

89.9153, 0.3426, 0.3638

Protanomaly

90.0143, 0.3413, 0.3618

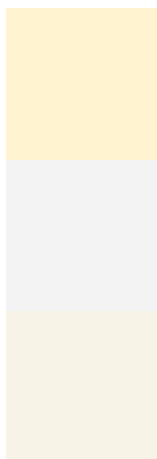
Deuteranomaly

90.2005, 0.3319, 0.3458

Tritanomaly

89.5783, 0.3258, 0.3339

Monochromacy



Original Color

89.9153, 0.3426, 0.3638

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.5885, 0.3233, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9153, 0.3426, 0.3638 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 208) }
```

Border

The CSS property to change the border of an element to Yxy 89.9153, 0.3426, 0.3638 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, 208) }
```

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

```
.border{ border-color:rgb(255, 243, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9153, 0.3426, 0.3638 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
243, 208) }
```

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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