

Converting Colors

$Y_{xy}(89.2679, 0.3424, 0.3621)$

Have a look what the booklet for
Yxy(89.2679, 0.3424, 0.3621)
contains.

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Color

Yxy(89.3677, 0.3421, 0.3618)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2D1
RGB	255, 242, 209
RGB Percent	100%, 95%, 82%
CMY	0.0000, 0.0510, 0.1803
CMYK	0.00, 0.05, 0.18, 0.00
HSL	43°, 100%, 91%
HSV	43°, 18%, 100%
XYZ	84.5016, 89.3677, 73.1392
YIQ	242.1250, 18.3410, -7.5070

Conversions

Conversions Part 2

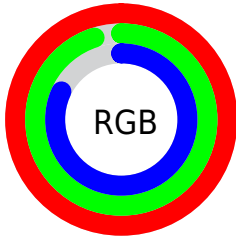
Format	Color
R_{YB}	227, 255, 209
Decimal	16773841
CIE Lab	95.73, -0.83, 17.49
CIE LCh	96, 17.508, 92.725
Yxy	89.3677, 0.3421, 0.3618
Android (android.graphics.Color)	4294963921 (0xFFFFF2D1)
YUV	242.1250, -16.3306, 11.2914
Hunter-Lab	94.5345, -5.8794, 20.3028

Details

The Yxy color **89.3677, 0.3421, 0.3618** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.0335, 0.2836, 0.2939**, and the grayscale version is **89.0215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4901, 0.3481, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **84.0026, 0.3603, 0.3808**, and if you desaturate by 10%, it is **95.1119, 0.3252, 0.3433**.

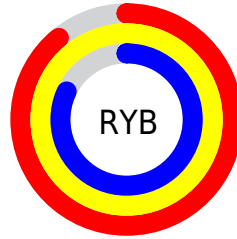
Distribution



Red (100%)

Green (95%)

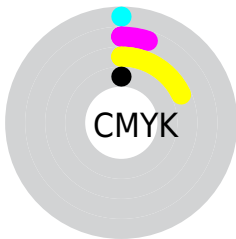
Blue (82%)



Red (89%)

Yellow (100%)

Blue (82%)

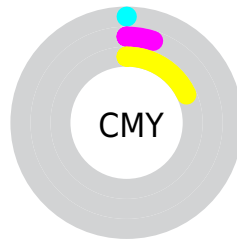


Cyan (0%)

Magenta (5%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3677, 0.3421, 0.3618 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 89.3677, 0.3421, 0.3618 by changing the saturation by 10% instead.


 89.3677, 0.3421,
0.3618

 89.3677, 0.3421,
0.3618


525.9719, 0.3290,
0.3472

 67.4563, 0.3450,
0.3650


146.4598, 0.3377,
0.3568

 49.4556, 0.3484,
0.3689


182.4093, 0.3359,
0.3549

 34.9810, 0.3527,
0.3738

223.8070, 0.3344,
0.3532

 23.6482, 0.3582,
0.3799

271.0373, 0.3331,
0.3517

 15.0729, 0.3654,
0.3880

324.4845, 0.3319,
0.3503

 8.8706, 0.3751,
0.3991

384.5330, 0.3308,

 4.6568, 0.3890,

0.3492

0.4150

451.5674, 0.3299,
0.3481

■ 2.0474, 0.4125,
0.4420

■ 0.6348, 0.4787,
0.5213

■ 89.3677, 0.3421,
0.3618

■ 89.3677, 0.3421,
0.3618

■ 84.0026, 0.3603,
0.3808

■ 95.1119, 0.3252,
0.3433

■ 78.9932, 0.3796,
0.3996

99.9985, 0.3127,
0.3290

■ 74.3311, 0.3994,
0.4174

■ 70.0030, 0.4191,
0.4332

■ 65.9941, 0.4379,
0.4459

■ 62.2882, 0.4546,
0.4543

■ 58.8661, 0.4686,
0.4579

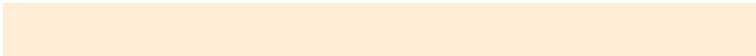
■ 55.7026, 0.4794,
0.4566

■ 55.1011, 0.4813,
0.4560

Harmonies

Analogous

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



89.3677, 0.3511, 0.3516



89.3677, 0.3421, 0.3618



89.3677, 0.3253, 0.3632

Triad

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



89.3677, 0.3421, 0.3618



89.3677, 0.2772, 0.3202



89.3677, 0.3192, 0.3052

Complementary

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



89.3677, 0.3421, 0.3618



73.0335, 0.2836, 0.2939

Split Complementary

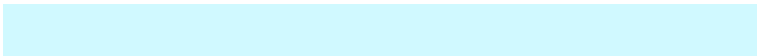
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3677, 0.2994, 0.2971



89.3677, 0.3421, 0.3618



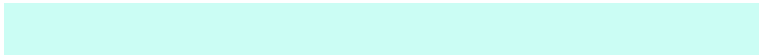
89.3677, 0.2757, 0.3050

Square

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



89.3677, 0.3421, 0.3618



89.3677, 0.2880, 0.3386



89.3677, 0.2836, 0.2969



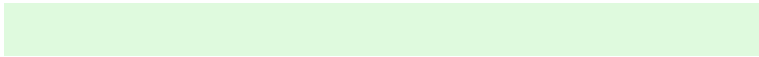
89.3677, 0.3377, 0.3192

Rectangle

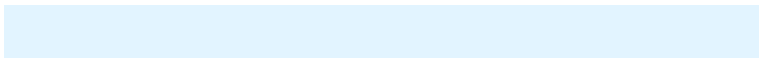
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.3677, 0.3421, 0.3618



89.3677, 0.3121, 0.3585



89.3677, 0.2836, 0.2969



89.3677, 0.3124, 0.3017

Sweetspot

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



89.3717, 0.3421, 0.3618



96.9287, 0.3204, 0.3378



72.1537, 0.3382, 0.3159



20.6560, 0.3215, 0.3391



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.



89.3717, 0.3421, 0.3618



87.1988, 0.3492, 0.3693



95.5387, 0.3334, 0.3750



20.1722, 0.3276, 0.3460



29.0600, 0.4801, 0.4570



3.0151, 0.4715, 0.4638

Inverse Universe

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



73.0335, 0.2836, 0.2939



67.8229, 0.2767, 0.2851



67.8966, 0.2896, 0.2806



18.2134, 0.2979, 0.3114



6.4146, 0.1598, 0.0954



0.8004, 0.1658, 0.1170

Previews

White Background



This preview shows how the Yxy color 89.3677, 0.3421, 0.3618 looks on a white background.

Color Contrast Check

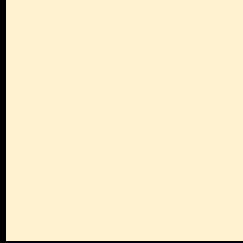
Large Text (above 18pt) WCAG AA × Fail

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 89.3677, 0.3421, 0.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

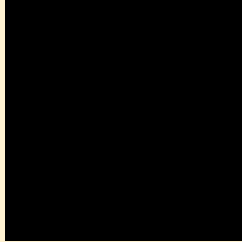
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.3677, 0.3421, 0.3618

Background



This preview shows how black text looks on a background with the Yxy color 89.3677, 0.3421, 0.3618.



This preview shows how white text looks on a background with the Yxy color 89.3677, 0.3421, 0.3618.

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

89.3677, 0.3421, 0.3618

Protanopia

89.3677, 0.3421, 0.3618

Deuteranopia

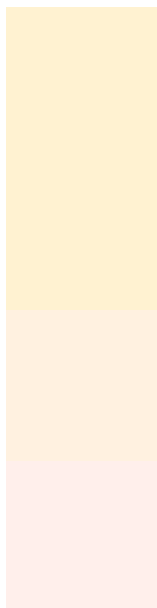
89.4634, 0.3271, 0.3359



Tritanopia

89.3112, 0.3166, 0.3174

Trichromacy



Original Color

89.3677, 0.3421, 0.3618

Protanomaly

89.3677, 0.3421, 0.3618

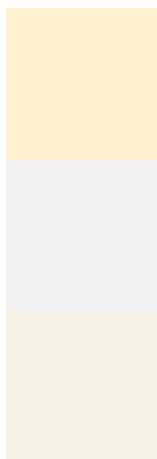
Deuteranomaly

89.5524, 0.3327, 0.3458

Tritanomaly

88.9912, 0.3259, 0.3330

Monochromacy



Original Color

89.3677, 0.3421, 0.3618

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.9916, 0.3234, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3677, 0.3421, 0.3618 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 209) }
```

Border

The CSS property to change the border of an element to Yxy 89.3677, 0.3421, 0.3618 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, 209) }
```

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

```
.border{ border-color:rgb(255, 242, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3677, 0.3421, 0.3618 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
242, 209) }
```

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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