

Converting Colors

$Y_{xy}(135.4462, 0.4457, 0.3470)$

Have a look what the booklet for
Yxy(135.4462, 0.4457, 0.3470)
contains.

Yxy(89.6193, 0.3389, 0.3568)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.6193, 0.3389, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2D6
RGB	255, 242, 214
RGB Percent	100%, 95%, 84%
CMY	0.0001, 0.0509, 0.1608
CMYK	0.00, 0.05, 0.16, 0.00
HSL	41°, 100%, 92%
HSV	41°, 16%, 100%
XYZ	85.1233, 89.6193, 76.4326
YIQ	242.6950, 16.7360, -5.9520

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 255, 214
Decimal	16773846
CIE Lab	95.84, -0.11, 15.08
CIE LCh	96, 15.078, 90.410
Yxy	89.6193, 0.3389, 0.3568
Android (android.graphics.Color)	4294963926 (0xFFFFF2D6)
YUV	242.6950, -14.1466, 10.7915
Hunter-Lab	94.6675, -5.1641, 18.3977

Details

The Yxy color **89.6193, 0.3389, 0.3568** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76.4358, 0.2870, 0.2996**, and the grayscale version is **89.4777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6268, 0.3448, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **83.7238, 0.3572, 0.3749**, and if you desaturate by 10%, it is **95.9385, 0.3221, 0.3392**.

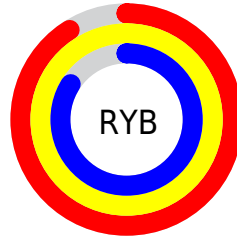
Distribution



Red (100%)

Green (95%)

Blue (84%)



Red (91%)

Yellow (100%)

Blue (84%)



Cyan (0%)

Magenta (5%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6193, 0.3389, 0.3568 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 89.6193, 0.3389, 0.3568 by changing the saturation by 10% instead.


 89.6193, 0.3389,
0.3568

 89.6193, 0.3389,
0.3568


526.7917, 0.3272,
0.3444

 67.6649, 0.3415,
0.3595

146.8095, 0.3349,
0.3526

 49.6252, 0.3446,
0.3628

182.8141, 0.3334,
0.3509

 35.1157, 0.3484,
0.3669


224.2709, 0.3320,
0.3495

 23.7520, 0.3533,
0.3721

271.5643, 0.3308,
0.3482

 15.1498, 0.3598,
0.3790

325.0786, 0.3298,
0.3471

 8.9246, 0.3686,
0.3884

385.1984, 0.3288,

 4.6920, 0.3814,

0.3461

0.4020

452.3080, 0.3280,
0.3452

■ 2.0677, 0.4015,
0.4234

■ 0.6464, 0.4862,
0.5138

■ 89.6193, 0.3389,
0.3568

■ 89.6193, 0.3389,
0.3568

■ 83.7238, 0.3572,
0.3749

■ 95.9385, 0.3221,
0.3392

■ 78.2278, 0.3769,
0.3930

99.9954, 0.3127,
0.3290

■ 73.1226, 0.3974,
0.4104

■ 68.3940, 0.4182,
0.4260

■ 64.0268, 0.4385,
0.4388

■ 60.0043, 0.4571,
0.4476

■ 56.3070, 0.4732,
0.4515

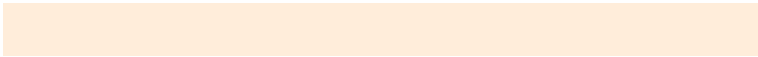
■ 52.9116, 0.4860,
0.4503

■ 51.6468, 0.4904,
0.4488

Harmonies

Analogous

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



89.6193, 0.3460, 0.3476



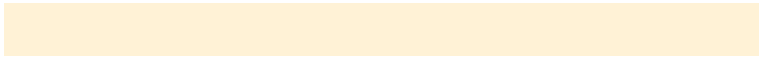
89.6193, 0.3389, 0.3568



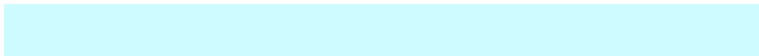
89.6193, 0.3248, 0.3585

Triad

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



89.6193, 0.3389, 0.3568



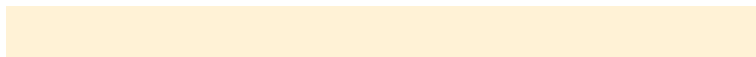
89.6193, 0.2826, 0.3227



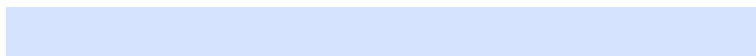
89.6193, 0.3170, 0.3077

Complementary

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



89.6193, 0.3389, 0.3568



76.4358, 0.2870, 0.2996

Split Complementary

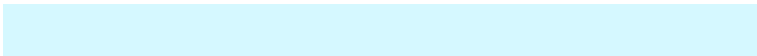
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6193, 0.3000, 0.3011



89.6193, 0.3389, 0.3568



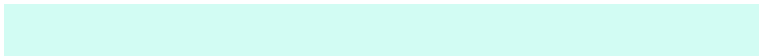
89.6193, 0.2805, 0.3093

Square

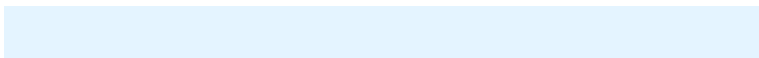
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6193, 0.3389, 0.3568



89.6193, 0.2924, 0.3384



89.6193, 0.2868, 0.3016



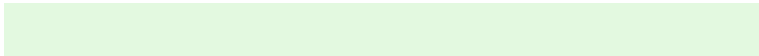
89.6193, 0.3331, 0.3195

Rectangle

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



89.6193, 0.3389, 0.3568



89.6193, 0.3135, 0.3549



89.6193, 0.2868, 0.3016



89.6193, 0.3112, 0.3048

Sweetspot

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



89.6233, 0.3389, 0.3568



96.6591, 0.3204, 0.3374



74.8963, 0.3340, 0.3160



20.5904, 0.3215, 0.3386



0.0000, 0.0000, 0.0000



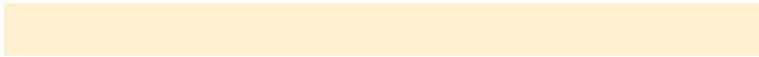
21.4041, 0.3127, 0.3290

Same Dimension

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



89.6233, 0.3389, 0.3568



87.8701, 0.3441, 0.3621



96.2186, 0.3320, 0.3697



20.0644, 0.3277, 0.3452



27.2727, 0.4889, 0.4500



2.8519, 0.4790, 0.4579

Inverse Universe

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



76.4358, 0.2870, 0.2996



72.5986, 0.2820, 0.2936



70.7678, 0.2914, 0.2862



18.3155, 0.2979, 0.3123



7.0576, 0.1620, 0.1033



0.8736, 0.1682, 0.1254

Previews

White Background



This preview shows how the Yxy color 89.6193, 0.3389, 0.3568 looks on a white background.

Color Contrast Check

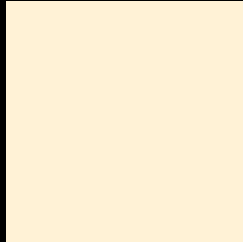
Large Text (above 18pt) WCAG AA × Fail

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 89.6193, 0.3389, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

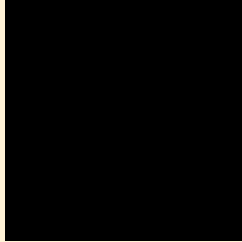
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.6193, 0.3389, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 89.6193, 0.3389, 0.3568.



This preview shows how white text looks on a background with the Yxy color 89.6193, 0.3389, 0.3568.

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

89.6193, 0.3389, 0.3568

Protanopia

89.4301, 0.3382, 0.3569

Deuteranopia

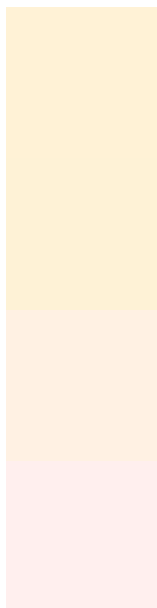
89.5207, 0.3264, 0.3349



Tritanopia

89.3741, 0.3159, 0.3165

Trichromacy



Original Color

89.6193, 0.3389, 0.3568

Protanomaly

89.4301, 0.3382, 0.3569

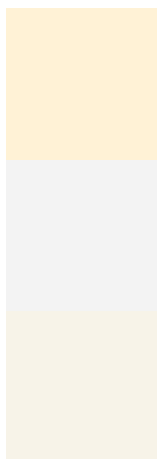
Deuteranomaly

89.7166, 0.3308, 0.3428

Tritanomaly

89.1661, 0.3240, 0.3300

Monochromacy



Original Color

89.6193, 0.3389, 0.3568

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.7015, 0.3220, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6193, 0.3389, 0.3568 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 214) }
```

Border

The CSS property to change the border of an element to Yxy 89.6193, 0.3389, 0.3568 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, 214) }
```

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

```
.border{ border-color:rgb(255, 242, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6193, 0.3389, 0.3568 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
242, 214) }
```

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