

Converting Colors

$Yxy(87.7421, 0.3369, 0.3678)$

Have a look what the booklet for
Yxy(87.7421, 0.3369, 0.3678)
contains.

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Color

Yxy(87.7421, 0.3369, 0.3678)

Conversions

Conversions Part 1

Format	Color
Hex	F4F3CD
RGB	244, 243, 205
RGB Percent	96%, 95%, 80%
CMY	0.0432, 0.0470, 0.1961
CMYK	0.00, 0.00, 0.16, 0.04
HSL	59°, 64%, 88%
HSV	59°, 16%, 96%
XYZ	80.3706, 87.7421, 70.4466
YIQ	238.9670, 12.7940, -11.6060

Conversions

Conversions Part 2

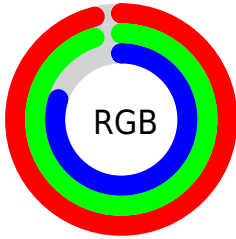
Format	Color
R _Y B	206, 244, 205
Decimal	16053197
CIE Lab	95.05, -5.86, 18.49
CIE LCh	95, 19.396, 107.586
Yxy	87.7421, 0.3369, 0.3678
Android (android.graphics.Color)	4294243277 (0xFFFF4F3CD)
YUV	238.9670, -16.7457, 4.4139
Hunter-Lab	93.6708, -10.7687, 20.9796

Details

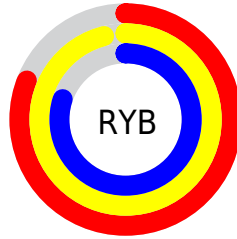
The Yxy color $87.7421, 0.3369, 0.3678$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $63.6246, 0.2867, 0.2870$, and the grayscale version is $86.4141, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.4664, 0.3422, 0.3761$ is the 20% darker color. If you saturate the color by 10%, you get $86.2981, 0.3524, 0.3926$, and if you desaturate by 10%, it is $89.3788, 0.3216, 0.3433$.

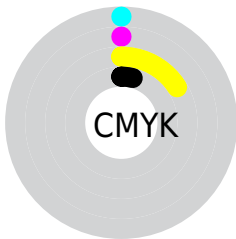
Distribution



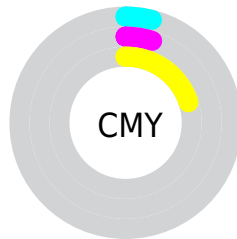
- Red (96%)
- Green (95%)
- Blue (80%)



- Red (81%)
- Yellow (96%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)



- Cyan (4%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7421, 0.3369, 0.3678 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 87.7421, 0.3369, 0.3678 by changing the saturation by 10% instead.

87.7421, 0.3369,
0.3678

87.7421, 0.3369,
0.3678

520.6583, 0.3262,
0.3503

66.1095, 0.3392,
0.3717

144.1981, 0.3333,
0.3618

48.3613, 0.3420,
0.3765

179.7902, 0.3318,
0.3594

34.1131, 0.3455,
0.3824

220.8043, 0.3306,
0.3574

22.9805, 0.3499,
0.3901

267.6248, 0.3295,
0.3556

14.5791, 0.3556,
0.4003

320.6360, 0.3285,
0.3540

8.5245, 0.3632,
0.4144

380.2224, 0.3277,

4.4324, 0.3738,

0.3526

446.7684, 0.3269,
0.3514

0.4351

1.9182, 0.3952,
0.4755

0.5593, 0.4099,
0.5901

87.7421, 0.3369,
0.3678

87.7421, 0.3369,
0.3678

86.2981, 0.3524,
0.3926

89.3788, 0.3216,
0.3433

85.0266, 0.3676,
0.4167


91.2044, 0.3069,
0.3196

83.9224, 0.3820,
0.4394

91.6464, 0.3062,
0.3190

82.9754, 0.3949,
0.4595


92.0112, 0.3062,
0.3196


 82.1747, 0.4058,
0.4762


 92.3773, 0.3061,
0.3202

 81.5076, 0.4142,
0.4888


 92.7445, 0.3061,
0.3208


 80.9596, 0.4199,
0.4970

 93.1129, 0.3061,
0.3214

 80.5126, 0.4230,
0.5009

 93.4825, 0.3061,
0.3220

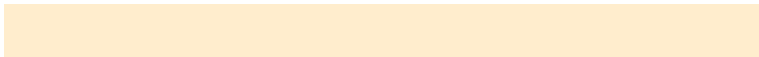
 80.3501, 0.4238,
0.5017

 93.8533, 0.3061,
0.3226

Harmonies

Analogous

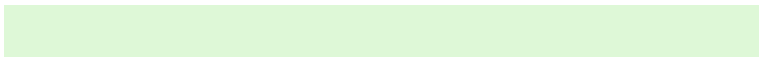
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7421, 0.3519, 0.3607



87.7421, 0.3369, 0.3678



87.7421, 0.3157, 0.3639

Triad

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



87.7421, 0.3369, 0.3678



87.7421, 0.2711, 0.3099



87.7421, 0.3307, 0.3097

Complementary

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



87.7421, 0.3369, 0.3678



63.6246, 0.2867, 0.2870

Split Complementary

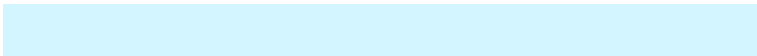
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7421, 0.3085, 0.2971



87.7421, 0.3369, 0.3678



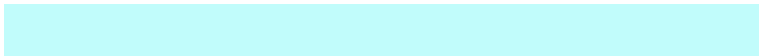
87.7421, 0.2747, 0.2967

Square

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



87.7421, 0.3369, 0.3678



87.7421, 0.2781, 0.3293



87.7421, 0.2881, 0.2923



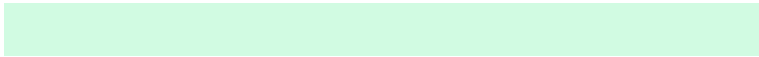
87.7421, 0.3484, 0.3271

Rectangle

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



87.7421, 0.3369, 0.3678



87.7421, 0.3011, 0.3552



87.7421, 0.2881, 0.2923



87.7421, 0.3235, 0.3048

Sweetspot

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



87.7460, 0.3369, 0.3678



99.0051, 0.3201, 0.3409



67.3544, 0.3421, 0.3277



21.1622, 0.3212, 0.3426



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.



87.7460, 0.3369, 0.3678



96.5019, 0.3416, 0.3754



85.2282, 0.3244, 0.3703



19.2392, 0.3269, 0.3518



43.7308, 0.4237, 0.5018



3.8654, 0.4231, 0.5023

Inverse Universe

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



63.6246, 0.2867, 0.2870



65.4090, 0.2811, 0.2780



65.9024, 0.2995, 0.2875



15.9922, 0.2979, 0.3051



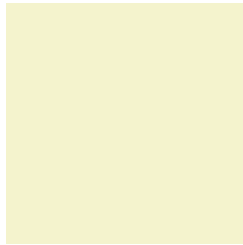
3.6514, 0.1504, 0.0615



0.3436, 0.1515, 0.0654

Previews

White Background



This preview shows how the Yxy color 87.7421, 0.3369, 0.3678 looks on a white background.

Color Contrast Check

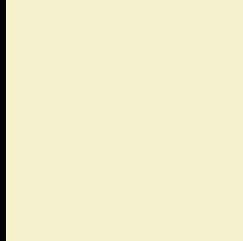
Large Text (above 18pt) WCAG AA × Fail

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 87.7421, 0.3369, 0.3678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

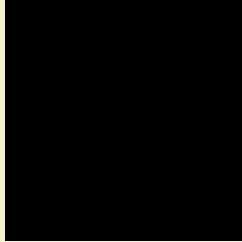
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

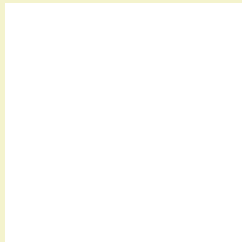
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7421, 0.3369, 0.3678

Background



This preview shows how black text looks on a background with the Yxy color 87.7421, 0.3369, 0.3678.

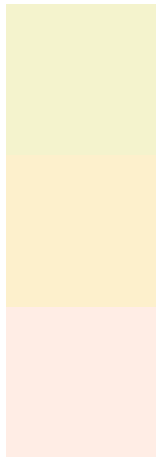


This preview shows how white text looks on a background with the Yxy color 87.7421, 0.3369, 0.3678.

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

87.7421, 0.3369, 0.3678

Protanopia

87.5625, 0.3443, 0.3651

Deuteranopia

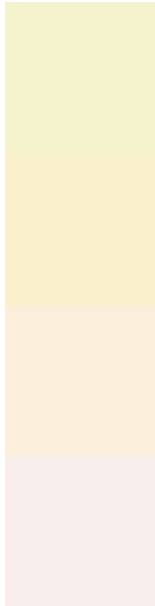
87.4855, 0.3299, 0.3369



Tritanopia

87.7201, 0.3109, 0.3106

Trichromacy



Original Color

87.7421, 0.3369, 0.3678

Protanomaly

87.5942, 0.3420, 0.3664

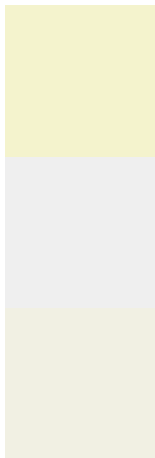
Deuteranomaly

87.4095, 0.3327, 0.3480

Tritanomaly

87.8039, 0.3199, 0.3310

Monochromacy



Original Color

87.7421, 0.3369, 0.3678

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5670, 0.3214, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7421, 0.3369, 0.3678 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(244, 243, 205)` looks like.

```
.text, #text, p{  
    color:rgb(244, 243, 205)  
}
```

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(244, 243, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 243, 205) }
```

Border

The CSS property to change the border of an element to Yxy 87.7421, 0.3369, 0.3678 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(244, 243, 205) }
```

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

```
.border{ border-color:rgb(244, 243, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 243, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 243, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 243, 205);  
box-shadow:4px 4px 4px 4px rgb(244, 243,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7421, 0.3369, 0.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 243, 205) }
```

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

```
.background{ background-color: rgb(244,  
243, 205) }
```

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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