

Converting Colors

$Y_{xy}(156.9390, 0.4715, 0.3455)$

Have a look what the booklet for
Yxy(156.9390, 0.4715, 0.3455)
contains.

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Color

Yxy(90.8677, 0.3380, 0.3577)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4D7
RGB	255, 244, 215
RGB Percent	100%, 96%, 84%
CMY	0.0000, 0.0431, 0.1569
CMYK	0.00, 0.04, 0.16, 0.00
HSL	43°, 100%, 92%
HSV	43°, 16%, 100%
XYZ	85.8632, 90.8677, 77.3023
YIQ	243.9830, 15.8650, -6.6870

Conversions

Conversions Part 2

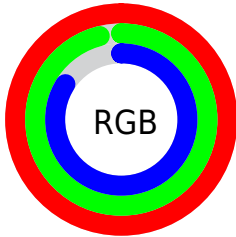
Format	Color
R _Y B	230, 255, 215
Decimal	16774359
CIE Lab	96.36, -0.94, 15.30
CIE LCh	96, 15.327, 93.529
Yxy	90.8677, 0.3380, 0.3577
Android (android.graphics.Color)	4294964439 (0xFFFFF4D7)
YUV	243.9830, -14.2886, 9.6619
Hunter-Lab	95.3246, -6.0347, 18.6467

Details

The Yxy color **90.8677, 0.3380, 0.3577** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76.0605, 0.2876, 0.2986**, and the grayscale version is **90.5579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5103, 0.3435, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **85.5155, 0.3558, 0.3768**, and if you desaturate by 10%, it is **96.5828, 0.3215, 0.3392**.

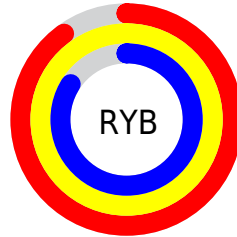
Distribution



Red (100%)

Green (96%)

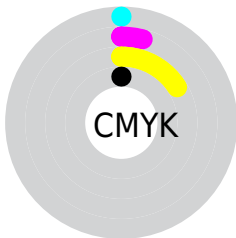
Blue (84%)



Red (90%)

Yellow (100%)

Blue (84%)

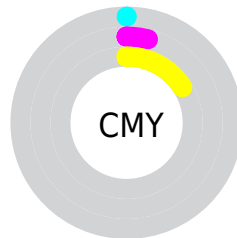


Cyan (0%)

Magenta (4%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8677, 0.3380, 0.3577 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 90.8677, 0.3380, 0.3577 by changing the saturation by 10% instead.


 90.8677, 0.3380,
0.3577

 90.8677, 0.3380,
0.3577


530.8494, 0.3268,
0.3449

 68.7005, 0.3405,
0.3605


148.5431, 0.3342,
0.3534

 50.4679, 0.3434,
0.3639


184.8201, 0.3327,
0.3516

 35.7853, 0.3471,
0.3681


226.5692, 0.3314,
0.3502

 24.2684, 0.3518,
0.3735

274.1747, 0.3302,
0.3489

 15.5329, 0.3579,
0.3806

328.0211, 0.3292,
0.3477

 9.1942, 0.3663,
0.3903

388.4928, 0.3283,

 4.8681, 0.3783,

0.3467

0.4043

455.9741, 0.3275,
0.3458

■ 2.1701, 0.3968,
0.4261

■ 0.7036, 0.4786,
0.5214

■ 90.8677, 0.3380,
0.3577

■ 90.8677, 0.3380,
0.3577

■ 85.5155, 0.3558,
0.3768

■ 96.5828, 0.3215,
0.3392

■ 80.5181, 0.3748,
0.3959

100.0000, 0.3127,
0.3290

■ 75.8624, 0.3944,
0.4142

■ 71.5355, 0.4140,
0.4307

■ 67.5234, 0.4327,
0.4443

■ 63.8102, 0.4497,
0.4540

■ 60.3777, 0.4640,
0.4589

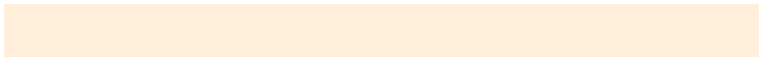
■ 57.2039, 0.4752,
0.4587

■ 55.9015, 0.4794,
0.4576

Harmonies

Analogous

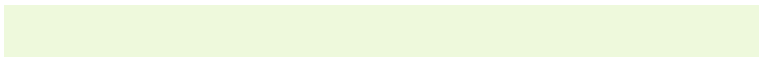
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8677, 0.3460, 0.3491



90.8677, 0.3380, 0.3577



90.8677, 0.3233, 0.3586

Triad

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



90.8677, 0.3380, 0.3577



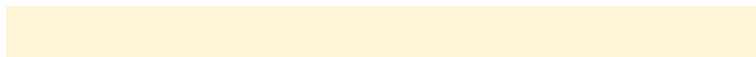
90.8677, 0.2816, 0.3210



90.8677, 0.3188, 0.3085

Complementary

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



90.8677, 0.3380, 0.3577



76.0605, 0.2876, 0.2986

Split Complementary

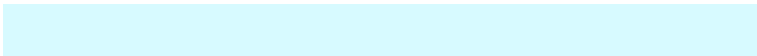
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8677, 0.3016, 0.3012



90.8677, 0.3380, 0.3577



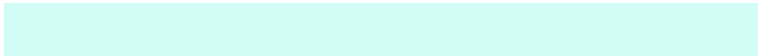
90.8677, 0.2804, 0.3079

Square

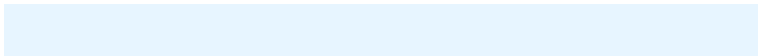
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.8677, 0.3380, 0.3577



90.8677, 0.2908, 0.3369



90.8677, 0.2876, 0.3009



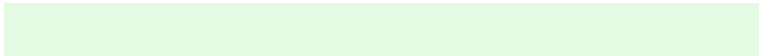
90.8677, 0.3348, 0.3209

Rectangle

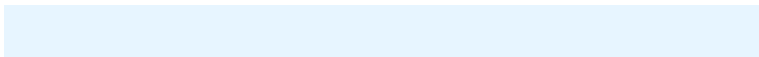
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.8677, 0.3380, 0.3577



90.8677, 0.3117, 0.3544



90.8677, 0.2876, 0.3009



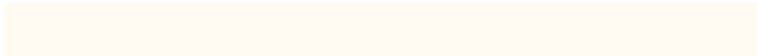
90.8677, 0.3130, 0.3054

Sweetspot

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



90.8667, 0.3380, 0.3577



96.9888, 0.3204, 0.3379



75.3701, 0.3343, 0.3177



20.6706, 0.3215, 0.3392



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

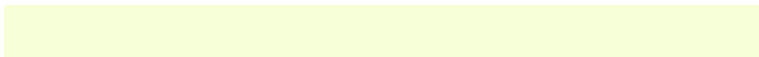
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8667, 0.3380, 0.3577



89.0536, 0.3438, 0.3640



96.0794, 0.3307, 0.3688



20.1962, 0.3276, 0.3461



29.4725, 0.4781, 0.4586



3.0526, 0.4699, 0.4651

Inverse Universe

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



76.0605, 0.2876, 0.2986



71.5418, 0.2819, 0.2914



71.6149, 0.2929, 0.2874



18.1907, 0.2979, 0.3113



6.2826, 0.1594, 0.0937



0.7850, 0.1653, 0.1151

Previews

White Background



This preview shows how the Yxy color 90.8677, 0.3380, 0.3577 looks on a white background.

Color Contrast Check

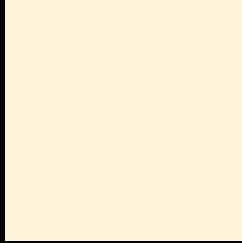
Large Text (above 18pt) WCAG AA × Fail

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 90.8677, 0.3380, 0.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

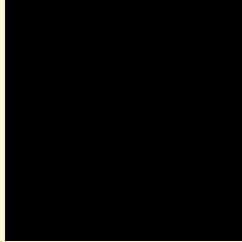
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.8677, 0.3380, 0.3577

Background



This preview shows how black text looks on a background with the Yxy color 90.8677, 0.3380, 0.3577.



This preview shows how white text looks on a background with the Yxy color 90.8677, 0.3380, 0.3577.

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

90.8677, 0.3380, 0.3577

Protanopia

90.9711, 0.3367, 0.3557

Deuteranopia

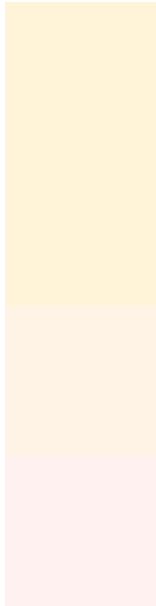
90.8787, 0.3244, 0.3339



Tritanopia

90.6085, 0.3152, 0.3175

Trichromacy



Original Color

90.8677, 0.3380, 0.3577

Protanomaly

90.9192, 0.3373, 0.3567

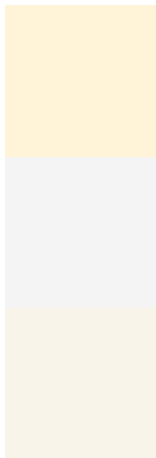
Deuteranomaly

91.0183, 0.3293, 0.3428

Tritanomaly

90.4026, 0.3232, 0.3310

Monochromacy



Original Color

90.8677, 0.3380, 0.3577

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.5410, 0.3220, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8677, 0.3380, 0.3577 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, 244, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 215)  
}
```

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, 244, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 215) }
```

Border

The CSS property to change the border of an element to Yxy 90.8677, 0.3380, 0.3577 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, 244, 215) }
```

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

```
.border{ border-color:rgb(255, 244, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
215) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.8677, 0.3380, 0.3577$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 215) }
```

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

```
.background{ background-color: rgb(255,  
244, 215) }
```

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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