

Converting Colors

$Y_{xy}(105.5555, 0.3843, 0.3607)$

Have a look what the booklet for
Yxy(105.5555, 0.3843, 0.3607)
contains.

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Color

Yxy(91.7750, 0.3415, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6D1
RGB	255, 246, 209
RGB Percent	100%, 96%, 82%
CMY	0.0000, 0.0354, 0.1803
CMYK	0.00, 0.04, 0.18, 0.00
HSL	48°, 100%, 91%
HSV	48°, 18%, 100%
XYZ	85.7253, 91.7750, 73.5254
YIQ	244.4730, 17.2410, -9.5990

Conversions

Conversions Part 2

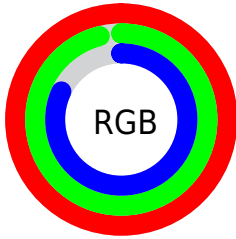
Format	Color
R _Y B	220, 255, 209
Decimal	16774865
CIE Lab	96.73, -2.81, 18.89
CIE LCh	97, 19.102, 98.456
Yxy	91.7750, 0.3415, 0.3656
Android (android.graphics.Color)	4294964945 (0xFFFFF6D1)
YUV	244.4730, -17.4882, 9.2322
Hunter-Lab	95.7993, -7.9193, 21.5547

Details

The Yxy color **91.7750, 0.3415, 0.3656** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.9362, 0.2834, 0.2895**, and the grayscale version is **90.9899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.1658, 0.3479, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **87.6007, 0.3587, 0.3866**, and if you desaturate by 10%, it is **96.2138, 0.3251, 0.3450**.

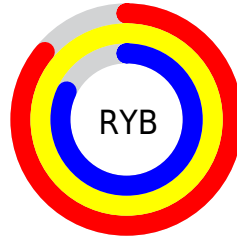
Distribution



Red (100%)

Green (96%)

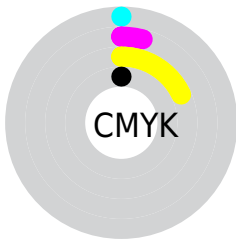
Blue (82%)



Red (86%)

Yellow (100%)

Blue (82%)

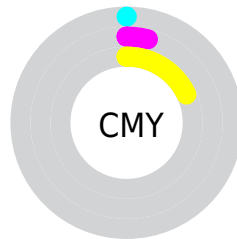


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.7750, 0.3415, 0.3656 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 91.7750, 0.3415, 0.3656 by changing the saturation by 10% instead.


 91.7750, 0.3415,
0.3656

 91.7750, 0.3415,
0.3656

533.7881, 0.3288,
0.3493

 69.4538, 0.3443,
0.3692

149.8015, 0.3372,
0.3601

 51.0813, 0.3476,
0.3735


186.2756, 0.3355,
0.3579

 36.2733, 0.3517,
0.3789


228.2360, 0.3340,
0.3560

 24.6454, 0.3569,
0.3858

276.0673, 0.3327,
0.3543

 15.8131, 0.3636,
0.3948

330.1537, 0.3316,
0.3528

 9.3920, 0.3727,
0.4070

390.8797, 0.3305,

 4.9977, 0.3854,

0.3515

0.4246

458.6297, 0.3296,
0.3503

■ 2.2459, 0.4059,
0.4536

■ 0.7449, 0.4619,
0.5381

■ 91.7750, 0.3415,
0.3656

■ 91.7750, 0.3415,
0.3656

■ 87.6007, 0.3587,
0.3866

■ 96.2138, 0.3251,
0.3450

■ 83.7100, 0.3766,
0.4073

100.0000, 0.3127,
0.3290

■ 80.0821, 0.3944,
0.4267

■ 76.7050, 0.4115,
0.4440

■ 73.5654, 0.4270,
0.4580

■ 70.6482, 0.4404,
0.4678

■ 67.9360, 0.4508,
0.4729

■ 65.4049, 0.4584,
0.4734

■ 64.9221, 0.4597,
0.4732

Harmonies

Analogous

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



91.7750, 0.3532, 0.3560



91.7750, 0.3415, 0.3656



91.7750, 0.3222, 0.3651

Triad

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



91.7750, 0.3415, 0.3656



91.7750, 0.2733, 0.3158



91.7750, 0.3238, 0.3058

Complementary

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



91.7750, 0.3415, 0.3656



70.9362, 0.2834, 0.2895

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.



91.7750, 0.3022, 0.2957



91.7750, 0.3415, 0.3656



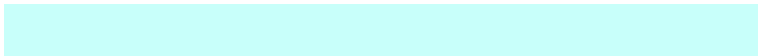
91.7750, 0.2736, 0.3007

Square

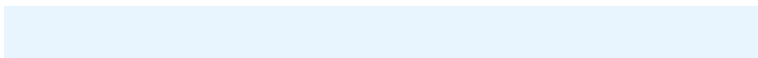
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.7750, 0.3415, 0.3656



91.7750, 0.2831, 0.3355



91.7750, 0.2840, 0.2937



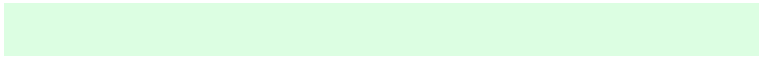
91.7750, 0.3429, 0.3217

Rectangle

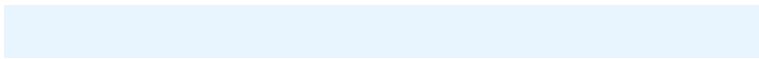
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.7750, 0.3415, 0.3656



91.7750, 0.3078, 0.3587



91.7750, 0.2840, 0.2937



91.7750, 0.3165, 0.3017

Sweetspot

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



91.7653, 0.3414, 0.3656



97.6211, 0.3203, 0.3389



71.9407, 0.3410, 0.3198



20.8246, 0.3214, 0.3403



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

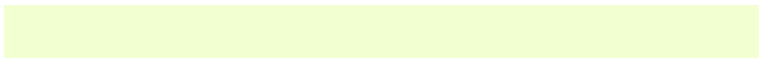
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.7653, 0.3414, 0.3656



90.0801, 0.3482, 0.3739



94.8609, 0.3309, 0.3754



20.4498, 0.3274, 0.3480



34.1373, 0.4589, 0.4738



3.4712, 0.4535, 0.4781

Inverse Universe

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



70.9362, 0.2834, 0.2895



65.3924, 0.2763, 0.2797



68.4855, 0.2922, 0.2809



17.9542, 0.2979, 0.3093



5.1271, 0.1552, 0.0787



0.6426, 0.1605, 0.0977

Previews

White Background



This preview shows how the Yxy color 91.7750, 0.3415, 0.3656 looks on a white background.

Color Contrast Check

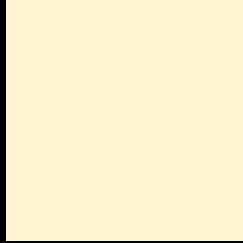
Large Text (above 18pt) WCAG AA × Fail

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 91.7750, 0.3415, 0.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

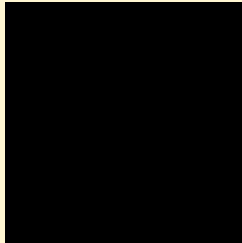
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.7750, 0.3415, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 91.7750, 0.3415, 0.3656.



This preview shows how white text looks on a background with the Yxy color 91.7750, 0.3415, 0.3656.

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

91.7750, 0.3415, 0.3656

Protanopia

91.6793, 0.3353, 0.3547

Deuteranopia

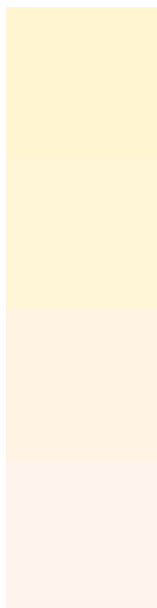
91.5342, 0.3236, 0.3339



Tritanopia

91.8561, 0.3145, 0.3184

Trichromacy



Original Color

91.7750, 0.3415, 0.3656

Protanomaly

91.4711, 0.3378, 0.3587

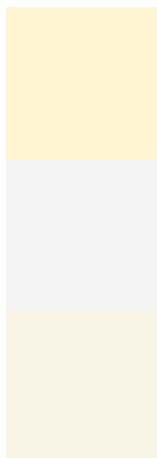
Deuteranomaly

91.5074, 0.3304, 0.3457

Tritanomaly

91.4756, 0.3243, 0.3349

Monochromacy



Original Color

91.7750, 0.3415, 0.3656

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.0308, 0.3232, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.7750, 0.3415, 0.3656 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, 246, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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, 246, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 209) }
```

Border

The CSS property to change the border of an element to Yxy 91.7750, 0.3415, 0.3656 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, 246, 209) }
```

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

```
.border{ border-color:rgb(255, 246, 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, 246, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 91.7750, 0.3415, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 209) }
```

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

```
.background{ background-color: rgb(255,  
246, 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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