

Converting Colors

$Y_{xy}(100.0000, 0.3738, 0.3686)$

Have a look what the booklet for
Yxy(100.0000, 0.3738, 0.3686)
contains.

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Color

Yxy(91.4358, 0.3459, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6CA
RGB	255, 246, 202
RGB Percent	100%, 96%, 79%
CMY	0.0000, 0.0353, 0.2079
CMYK	0.00, 0.04, 0.21, 0.00
HSL	50°, 100%, 90%
HSV	50°, 21%, 100%
XYZ	84.8609, 91.4358, 69.0369
YIQ	243.6750, 19.4880, -11.7760

Conversions

Conversions Part 2

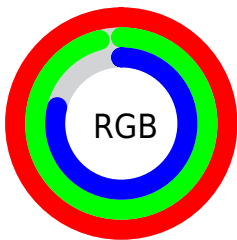
Format	Color
R _Y B	213, 255, 202
Decimal	16774858
CIE Lab	96.59, -3.84, 22.30
CIE LCh	97, 22.629, 99.767
Yxy	91.4358, 0.3459, 0.3727
Android (android.graphics.Color)	4294964938 (0xFFFFF6CA)
YUV	243.6750, -20.5458, 9.9320
Hunter-Lab	95.6221, -8.9268, 24.1295

Details

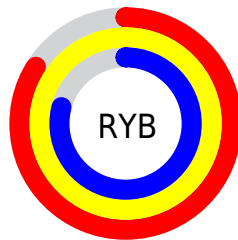
The Yxy color **91.4358, 0.3459, 0.3727** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.3492, 0.2784, 0.2812**, and the grayscale version is **90.3463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9708, 0.3527, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **87.7230, 0.3631, 0.3943**, and if you desaturate by 10%, it is **95.4079, 0.3294, 0.3513**.

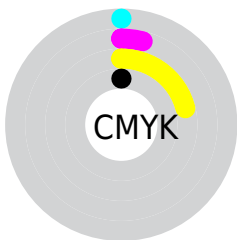
Distribution



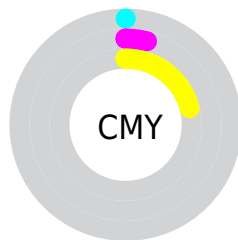
- Red (100%)
- Green (96%)
- Blue (79%)



- Red (84%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4358, 0.3459, 0.3727 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 91.4358, 0.3459, 0.3727 by changing the saturation by 10% instead.


 91.4358, 0.3459,
0.3727

 91.4358, 0.3459,
0.3727

532.6905, 0.3313,
0.3532

 69.1721, 0.3491,
0.3770

149.3312, 0.3410,
0.3661

 50.8519, 0.3529,
0.3822


185.7317, 0.3390,
0.3635

 36.0907, 0.3575,
0.3886


227.6132, 0.3373,
0.3612

 24.5043, 0.3634,
0.3968

275.3602, 0.3358,
0.3592

 15.7081, 0.3710,
0.4075

329.3570, 0.3345,
0.3574

 9.3179, 0.3810,
0.4220

389.9881, 0.3333,

 4.9491, 0.3948,

0.3559

0.4425

457.6377, 0.3323,
0.3545

■ 2.2174, 0.4219,
0.4823

■ 0.7295, 0.4512,
0.5488

■ 91.4358, 0.3459,
0.3727

■ 91.4358, 0.3459,
0.3727

■ 87.7230, 0.3631,
0.3943

■ 95.4079, 0.3294,
0.3513

■ 84.2617, 0.3805,
0.4152

99.6512, 0.3139,
0.3306

■ 81.0401, 0.3975,
0.4346

100.0000, 0.3127,
0.3290

■ 78.0461, 0.4135,
0.4515

■ 75.2663, 0.4276,
0.4647

■ 72.6852, 0.4392,
0.4736

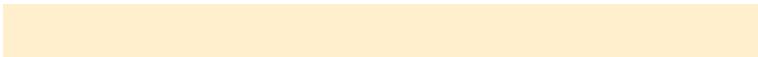
■ 70.2844, 0.4479,
0.4778

■ 68.2074, 0.4536,
0.4781

Harmonies

Analogous

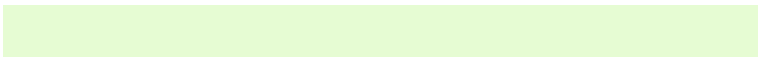
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4358, 0.3605, 0.3615



91.4358, 0.3459, 0.3727



91.4358, 0.3227, 0.3718

Triad

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



91.4358, 0.3459, 0.3727



91.4358, 0.2660, 0.3122



91.4358, 0.3268, 0.3024

Complementary

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



91.4358, 0.3459, 0.3727



66.3492, 0.2784, 0.2812

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.



91.4358, 0.3012, 0.2901



91.4358, 0.3459, 0.3727



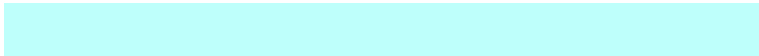
91.4358, 0.2669, 0.2948

Square

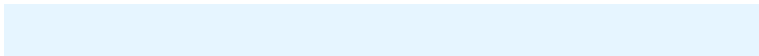
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.4358, 0.3459, 0.3727



91.4358, 0.2770, 0.3356



91.4358, 0.2795, 0.2872



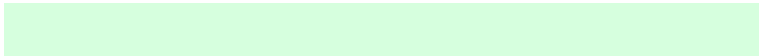
91.4358, 0.3494, 0.3212

Rectangle

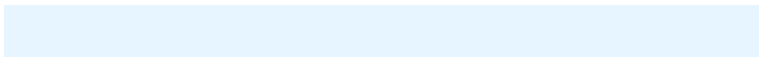
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.4358, 0.3459, 0.3727



91.4358, 0.3057, 0.3639



91.4358, 0.2795, 0.2872



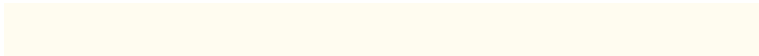
91.4358, 0.3183, 0.2974

Sweetspot

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



91.4349, 0.3459, 0.3727



97.4078, 0.3218, 0.3413



68.2277, 0.3471, 0.3192



20.7902, 0.3228, 0.3426



0.0000, 0.0000, 0.0000



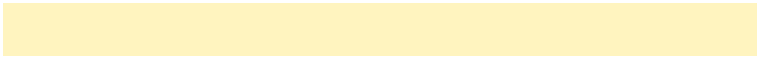
21.4041, 0.3127, 0.3290

Same Dimension

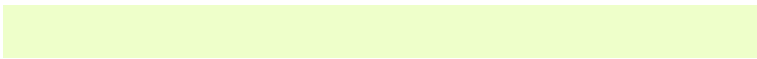
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.4349, 0.3459, 0.3727



89.8424, 0.3530, 0.3818



93.9964, 0.3331, 0.3830



20.5350, 0.3273, 0.3486



35.8331, 0.4529, 0.4786



3.6215, 0.4484, 0.4822

Inverse Universe

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



66.3492, 0.2784, 0.2812



60.6027, 0.2706, 0.2700



64.4734, 0.2892, 0.2729



17.8758, 0.2979, 0.3086



4.8306, 0.1541, 0.0747



0.6026, 0.1590, 0.0925

Previews

White Background



This preview shows how the Yxy color 91.4358, 0.3459, 0.3727 looks on a white background.

Color Contrast Check

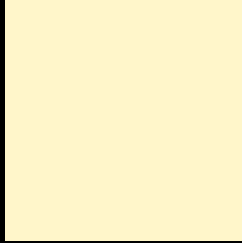
Large Text (above 18pt) WCAG AA × Fail

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 91.4358, 0.3459, 0.3727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

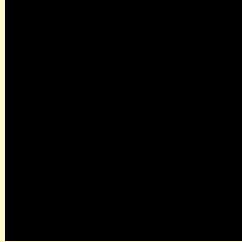
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.4358, 0.3459, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 91.4358, 0.3459, 0.3727.

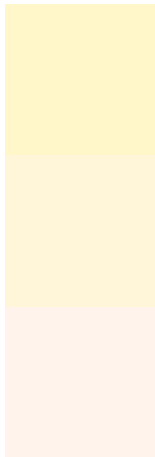


This preview shows how white text looks on a background with the Yxy color 91.4358, 0.3459, 0.3727.

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

91.4358, 0.3459, 0.3727

Protanopia

91.5227, 0.3372, 0.3577

Deuteranopia

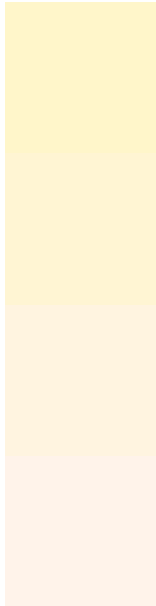
91.4173, 0.3249, 0.3359



Tritanopia

91.1989, 0.3152, 0.3184

Trichromacy



Original Color

91.4358, 0.3459, 0.3727

Protanomaly

91.2680, 0.3404, 0.3627

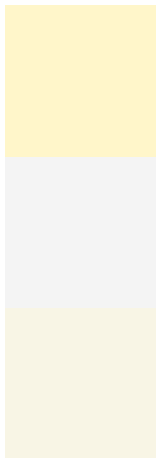
Deuteranomaly

91.3432, 0.3323, 0.3487

Tritanomaly

91.3017, 0.3261, 0.3378

Monochromacy



Original Color

91.4358, 0.3459, 0.3727

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.9184, 0.3244, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4358, 0.3459, 0.3727 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 202) }
```

Border

The CSS property to change the border of an element to Yxy 91.4358, 0.3459, 0.3727 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, 202) }
```

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

```
.border{ border-color:rgb(255, 246, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4358, 0.3459, 0.3727 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, 202) }
```

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

```
.background{ background-color: rgb(255,  
246, 202) }
```

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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