

Converting Colors

$Yxy(95.6880, 0.3338, 0.3748)$

Have a look what the booklet for
Yxy(95.6880, 0.3338, 0.3748)
contains.

Yxy(95.7163, 0.3340, 0.3749)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(95.7163, 0.3340, 0.3749)

Conversions

Conversions Part 1

Format	Color
Hex	F6FFD1
RGB	246, 255, 209
RGB Percent	96%, 100%, 82%
CMY	0.0353, 0.0000, 0.1803
CMYK	0.04, 0.00, 0.18, 0.00
HSL	72°, 100%, 91%
HSV	72°, 18%, 100%
XYZ	85.2741, 95.7163, 74.3212
YIQ	247.0650, 9.4020, -16.2140

Conversions

Conversions Part 2

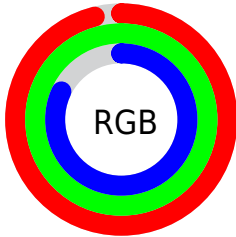
Format	Color
R_{YB}	209, 255, 218
Decimal	16187345
CIE _{Lab}	98.32, -10.52, 21.01
CIE _{LCh}	98, 23.493, 116.593
Y _{xy}	95.7163, 0.3340, 0.3749
Android (android.graphics.Color)	4294377425 (0xFFFF6FFD1)
YUV	247.0650, -18.7660, -0.9340
Hunter-Lab	97.8347, -15.6277, 23.4440

Details

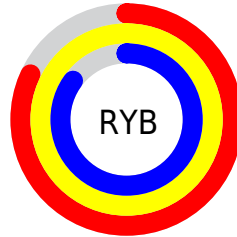
The Yxy color **95.7163, 0.3340, 0.3749** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.7485, 0.2889, 0.2805**, and the grayscale version is **93.2162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.5401, 0.3383, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **93.6597, 0.3458, 0.4016**, and if you desaturate by 10%, it is **97.9979, 0.3221, 0.3489**.

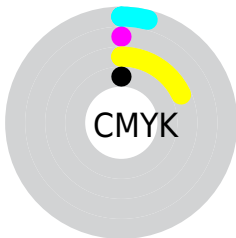
Distribution



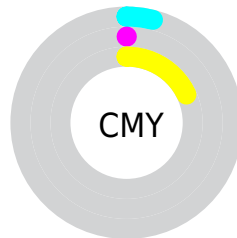
- Red (96%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (85%)



- Cyan (4%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.7163, 0.3340, 0.3749 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 95.7163, 0.3340, 0.3749 by changing the saturation by 10% instead.

 95.7163, 0.3340,
0.3749

 95.7163, 0.3340,
0.3749


546.4556, 0.3249,
0.3543

 72.7313, 0.3359,
0.3794


155.2538, 0.3310,
0.3679

 53.7563, 0.3382,
0.3850


192.5751, 0.3297,
0.3651

 38.4068, 0.3410,
0.3918


235.4440, 0.3287,
0.3627

 26.2986, 0.3445,
0.4006

284.2448, 0.3277,
0.3606

 17.0472, 0.3488,
0.4122

339.3620, 0.3269,
0.3588

 10.2681, 0.3544,
0.4280

401.1799, 0.3261,

 5.5771, 0.3617,

0.3571

0.4510

470.0830, 0.3255,
0.3557

■ 2.5897, 0.3721,
0.4884

■ 0.9215, 0.4017,
0.5983

■ 95.7163, 0.3340,
0.3749

■ 95.7163, 0.3340,
0.3749

■ 93.6597, 0.3458,
0.4016

■ 97.9979, 0.3221,
0.3489

■ 91.8206, 0.3569,
0.4283

100.0000, 0.3127,
0.3290

■ 90.1876, 0.3670,
0.4539

■ 88.7492, 0.3753,
0.4774

■ 87.4926, 0.3815,
0.4976

■ 86.4033, 0.3852,
0.5137

■ 85.4640, 0.3862,
0.5250

■ 84.6516, 0.3848,
0.5319

■ 84.4998, 0.3844,
0.5330

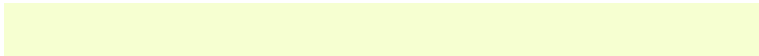
Harmonies

Analogous

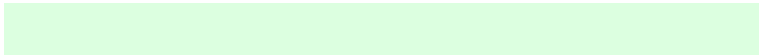
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7163, 0.3546, 0.3699



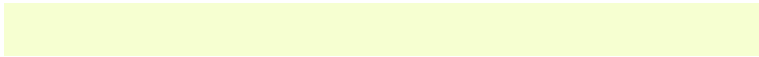
95.7163, 0.3340, 0.3749



95.7163, 0.3083, 0.3663

Triad

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



95.7163, 0.3340, 0.3749



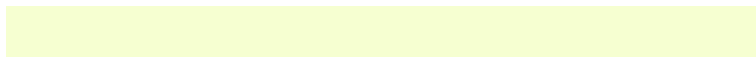
95.7163, 0.2639, 0.3008



95.7163, 0.3410, 0.3120

Complementary

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



95.7163, 0.3340, 0.3749



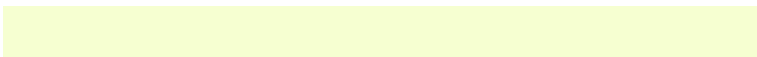
67.7485, 0.2889, 0.2805

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.



95.7163, 0.3156, 0.2953



95.7163, 0.3340, 0.3749



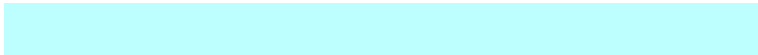
95.7163, 0.2717, 0.2884

Square

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



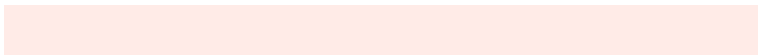
95.7163, 0.3340, 0.3749



95.7163, 0.2685, 0.3219



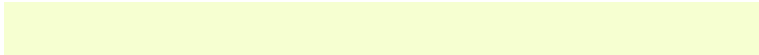
95.7163, 0.2903, 0.2867



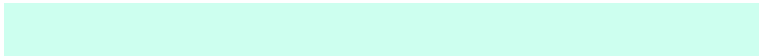
95.7163, 0.3590, 0.3332

Rectangle

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



95.7163, 0.3340, 0.3749



95.7163, 0.2917, 0.3539



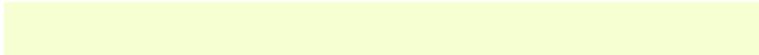
95.7163, 0.2903, 0.2867



95.7163, 0.3330, 0.3058

Sweetspot

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



95.7156, 0.3340, 0.3749



98.7348, 0.3185, 0.3413



75.7276, 0.3464, 0.3377



21.0963, 0.3194, 0.3431



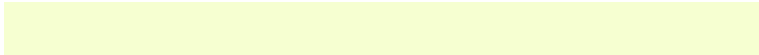
0.0000, 0.0000, 0.0000



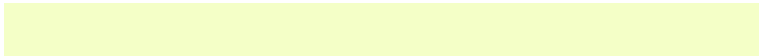
21.4041, 0.3127, 0.3290

Same Dimension

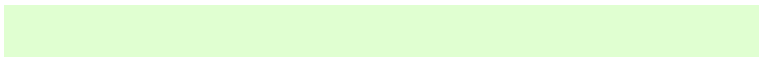
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.7156, 0.3340, 0.3749



94.8722, 0.3387, 0.3855



91.9065, 0.3195, 0.3770



20.9003, 0.3239, 0.3527



44.2166, 0.3850, 0.5325



4.3490, 0.3891, 0.5293

Inverse Universe

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



67.7485, 0.2889, 0.2805



61.7077, 0.2829, 0.2685



71.4392, 0.3045, 0.2827



17.5491, 0.3009, 0.3046



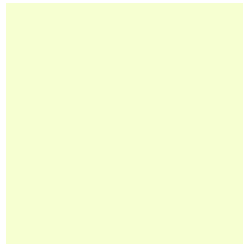
4.1752, 0.1593, 0.0651



0.4491, 0.1691, 0.0705

Previews

White Background



This preview shows how the Yxy color 95.7163, 0.3340, 0.3749 looks on a white background.

Color Contrast Check

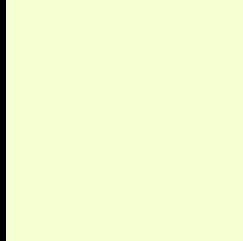
Large Text (above 18pt) WCAG AA × Fail

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 95.7163, 0.3340, 0.3749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

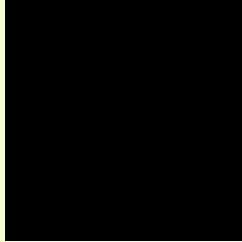
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 95.7163, 0.3340, 0.3749

Background



This preview shows how black text looks on a background with the Yxy color 95.7163, 0.3340, 0.3749.

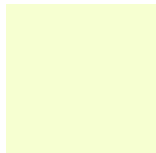


This preview shows how white text looks on a background with the Yxy color 95.7163, 0.3340, 0.3749.

Color Blindness Simulation

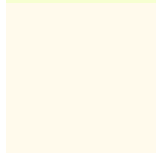
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



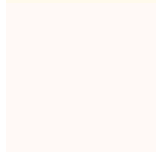
Original Color

95.7163, 0.3340, 0.3749



Protanopia

95.6873, 0.3243, 0.3426



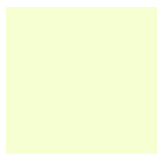
Deuteranopia

95.6652, 0.3183, 0.3319

Tritanopia

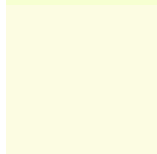
95.4806, 0.3105, 0.3232

Trichromacy



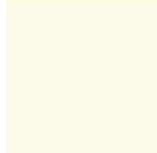
Original Color

95.7163, 0.3340, 0.3749



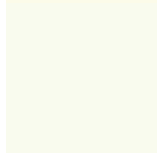
Protanomaly

95.8072, 0.3281, 0.3545



Deuteranomaly

95.5730, 0.3240, 0.3466



Tritanomaly

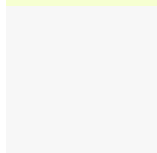
95.3071, 0.3191, 0.3417

Monochromacy



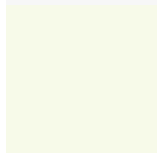
Original Color

95.7163, 0.3340, 0.3749



Achromatopsia

93.0111, 0.3127, 0.3290



Achromatomaly

94.0286, 0.3209, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.7163, 0.3340, 0.3749 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(246, 255, 209)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 95.7163, 0.3340, 0.3749 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(246, 255, 209) }
```

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

```
.border{ border-color:rgb(246, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 209)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 95.7163, 0.3340, 0.3749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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