

# Converting Colors

$Y_{xy}(100.0000, 0.3698, 0.3959)$

Have a look what the booklet for  
Yxy(100.0000, 0.3698, 0.3959)  
contains.

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# Color

**Yxy(95.5625, 0.3558, 0.3989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFEB7
RGB	255, 254, 183
RGB Percent	100%, 100%, 72%
CMY	0.0000, 0.0039, 0.2823
CMYK	0.00, 0.00, 0.28, 0.00
HSL	59°, 100%, 86%
HSV	59°, 28%, 100%
XYZ	85.2372, 95.5625, 58.7653
YIQ	246.2050, 23.3870, -21.8690

# Conversions

## Conversions Part 2

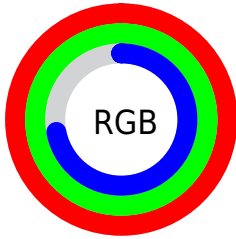
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	184, 255, 183
Decimal	16776887
CIE Lab	98.26, -10.32, 34.16
CIE LCh	98, 35.686, 106.812
Yxy	95.5625, 0.3558, 0.3989
Android (android.graphics.Color)	4294966967 (0xFFFFFEB7)
YUV	246.2050, -31.1601, 7.7132
Hunter-Lab	97.7561, -15.4322, 32.7875

# Details

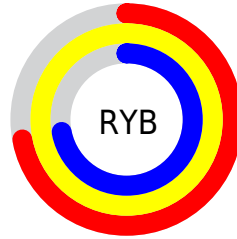
The Yxy color **95.5625, 0.3558, 0.3989** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.5828, 0.2631, 0.2480**, and the grayscale version is **92.5770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **53.3878, 0.3642, 0.4140** is the 20% darker color. If you saturate the color by 10%, you get **94.3696, 0.3708, 0.4231**, and if you desaturate by 10%, it is **96.9479, 0.3404, 0.3739**.

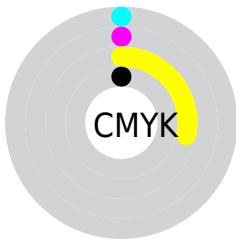
# Distribution



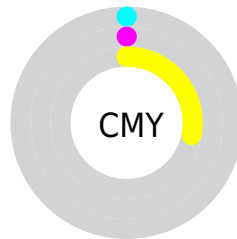
- Red (100%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.5625, 0.3558, 0.3989 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 95.5625, 0.3558, 0.3989 by changing the saturation by 10% instead.





 95.5625, 0.3558,  
0.3989

 95.5625, 0.3558,  
0.3989


545.9642, 0.3374,  
0.3678

 72.6032, 0.3596,  
0.4057


 155.0415, 0.3497,  
0.3884

 53.6516, 0.3641,  
0.4139

192.3300, 0.3473,  
0.3842

 38.3232, 0.3695,  
0.4239

235.1637, 0.3451,  
0.3806

 26.2336, 0.3761,  
0.4366

283.9270, 0.3432,  
0.3774

 16.9985, 0.3840,  
0.4528

339.0043, 0.3415,  
0.3745

 10.2334, 0.3937,  
0.4742

400.7800, 0.3400,

 5.5540, 0.4047,

0.3720

0.5031

469.6385, 0.3386,  
0.3698

■ 2.5758, 0.4334,  
0.5666

■ 0.9145, 0.4029,  
0.5971

■ 95.5625, 0.3558,  
0.3989

■ 95.5625, 0.3558,  
0.3989

■ 94.3696, 0.3708,  
0.4231

■ 96.9479, 0.3404,  
0.3739

■ 93.3593, 0.3847,  
0.4454

■ 98.5358, 0.3250,  
0.3490

■ 92.5200, 0.3969,  
0.4650

100.0000, 0.3127,  
0.3290

■ 91.8390, 0.4070,  
0.4809

■ 91.3020, 0.4144,  
0.4925

■ 90.8920, 0.4192,  
0.4997

■ 90.5855, 0.4215,  
0.5029

■ 90.5361, 0.4218,  
0.5033

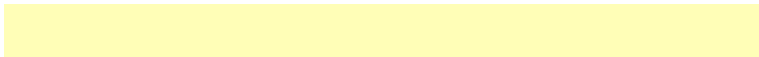
# Harmonies

## Analogous

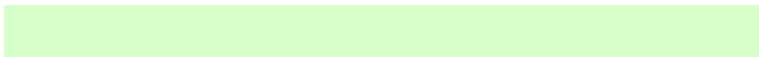
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.5625, 0.3830, 0.3836



95.5625, 0.3558, 0.3989



95.5625, 0.3180, 0.3938

# Triad

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



95.5625, 0.3558, 0.3989



95.5625, 0.2403, 0.2945



95.5625, 0.3434, 0.2945

# Complementary

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



95.5625, 0.3558, 0.3989



51.5828, 0.2631, 0.2480

# 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.



95.5625, 0.3035, 0.2736



95.5625, 0.3558, 0.3989



95.5625, 0.2459, 0.2720

# Square

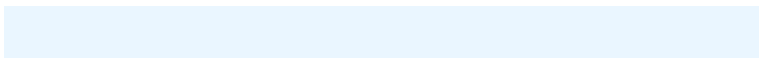
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



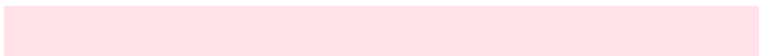
95.5625, 0.3558, 0.3989



95.5625, 0.2524, 0.3295



95.5625, 0.2683, 0.2652



95.5625, 0.3763, 0.3238

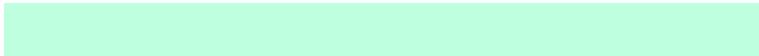


# Rectangle

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



95.5625, 0.3558, 0.3989



95.5625, 0.2922, 0.3781



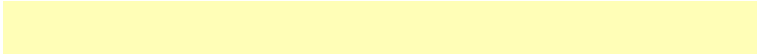
95.5625, 0.2683, 0.2652



95.5625, 0.3303, 0.2864

# Sweetspot

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



95.5624, 0.3558, 0.3989



98.5740, 0.3247, 0.3484



58.6077, 0.3741, 0.3279



21.0448, 0.3269, 0.3522



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

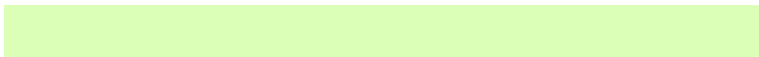
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.5624, 0.3558, 0.3989



94.8507, 0.3645, 0.4130



90.1888, 0.3322, 0.4055



21.0448, 0.3269, 0.3522



47.3269, 0.4218, 0.5033



4.6214, 0.4215, 0.5036



# Inverse Universe

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



51.5828, 0.2631, 0.2480



44.1427, 0.2512, 0.2284



55.9742, 0.2878, 0.2523



17.4182, 0.2978, 0.3047



3.8304, 0.1502, 0.0608

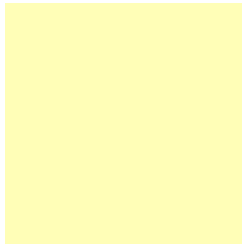


0.3866, 0.1508, 0.0628



# Previews

## White Background



This preview shows how the Yxy color 95.5625, 0.3558, 0.3989 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 95.5625, 0.3558, 0.3989 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

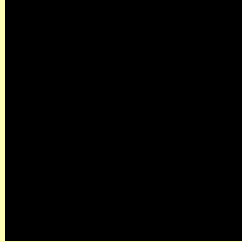
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.5625, 0.3558, 0.3989**

## Background



This preview shows how black text looks on a background with the Yxy color 95.5625, 0.3558, 0.3989.



This preview shows how white text looks on a background with the Yxy color 95.5625, 0.3558, 0.3989.

# Color Blindness Simulation

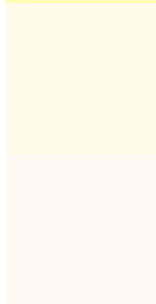
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

95.5625, 0.3558, 0.3989



### Protanopia

95.5717, 0.3255, 0.3446

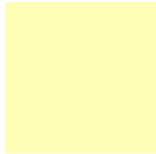
### Deuteranopia

95.5430, 0.3195, 0.3338

## Tritanopia

95.5506, 0.3136, 0.3233

# Trichromacy



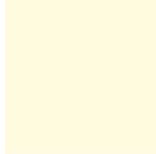
## Original Color

95.5625, 0.3558, 0.3989



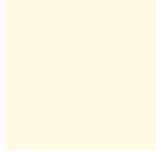
## Protanomaly

95.1607, 0.3369, 0.3643



## Deuteranomaly

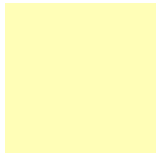
95.5283, 0.3327, 0.3574



## Tritanomaly

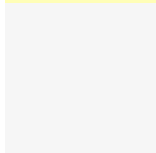
95.2327, 0.3291, 0.3505

# Monochromacy



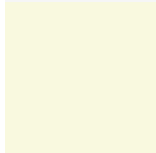
## Original Color

95.5625, 0.3558, 0.3989



## Achromatopsia

92.1582, 0.3127, 0.3290



## Achromatomaly

93.2188, 0.3283, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.5625, 0.3558, 0.3989 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, 254, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 183)  
}
```

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, 254, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 95.5625, 0.3558, 0.3989 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, 254, 183) }
```

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

```
.border{ border-color:rgb(255, 254, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.5625, 0.3558, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 183) }
```

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

```
.background{ background-color: rgb(255,  
254, 183) }
```

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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