

Converting Colors

$Y_{xy}(107.9759, 0.3898, 0.3717)$

Have a look what the booklet for
Yxy(107.9759, 0.3898, 0.3717)
contains.

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Color

Yxy(93.8013, 0.3463, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	FFFAC8
RGB	255, 250, 200
RGB Percent	100%, 98%, 78%
CMY	0.0001, 0.0195, 0.2156
CMYK	0.00, 0.02, 0.22, 0.00
HSL	55°, 100%, 89%
HSV	55°, 22%, 100%
XYZ	85.8441, 93.8013, 68.2439
YIQ	245.7950, 19.0300, -14.4900

Conversions

Conversions Part 2

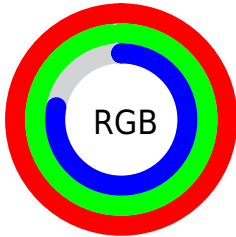
Format	Color
R _Y B	206, 255, 200
Decimal	16775880
CIE Lab	97.55, -6.14, 24.62
CIE LCh	98, 25.374, 103.994
Yxy	93.8013, 0.3463, 0.3784
Android (android.graphics.Color)	4294965960 (0xFFFFFAC8)
YUV	245.7950, -22.5769, 8.0728
Hunter-Lab	96.8511, -11.2757, 26.0184

Details

The Yxy color **93.8013, 0.3463, 0.3784** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.1564, 0.2766, 0.2743**, and the grayscale version is **92.1598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.6647, 0.3531, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **91.2915, 0.3625, 0.4017**, and if you desaturate by 10%, it is **96.5357, 0.3303, 0.3551**.

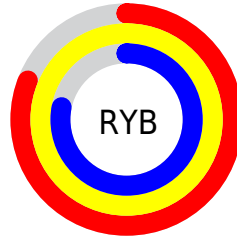
Distribution



Red (100%)

Green (98%)

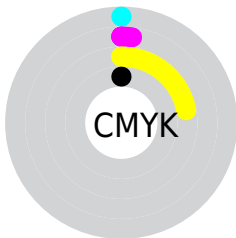
Blue (78%)



Red (81%)

Yellow (100%)

Blue (78%)

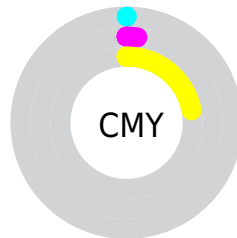


Cyan (0%)

Magenta (2%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8013, 0.3463, 0.3784 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 93.8013, 0.3463, 0.3784 by changing the saturation by 10% instead.


 93.8013, 0.3463,
0.3784

 93.8013, 0.3463,
0.3784


540.3203, 0.3317,
0.3564

 71.1377, 0.3494,
0.3832


152.6075, 0.3414,
0.3709

 52.4546, 0.3532,
0.3891

189.5189, 0.3394,
0.3680

 37.3675, 0.3578,
0.3963


231.9484, 0.3377,
0.3654

 25.4922, 0.3635,
0.4055

280.2803, 0.3362,
0.3632

 16.4441, 0.3707,
0.4175

334.8990, 0.3349,
0.3612

 9.8390, 0.3802,
0.4336

396.1890, 0.3337,

 5.2923, 0.3927,

0.3594

0.4564

464.5347, 0.3326,
0.3578

■ 2.4198, 0.4178,
0.5006

■ 0.8360, 0.4354,
0.5646

■ 93.8013, 0.3463,
0.3784

■ 93.8013, 0.3463,
0.3784

■ 91.2915, 0.3625,
0.4017

■ 96.5357, 0.3303,
0.3551

■ 88.9838, 0.3785,
0.4240

■ 99.4913, 0.3150,
0.3324

■ 86.8716, 0.3936,
0.4445

■ 99.9933, 0.3127,
0.3290

■ 84.9432, 0.4072,
0.4622

■ 83.1852, 0.4185,
0.4760

■ 81.5826, 0.4273,
0.4855

■ 80.1169, 0.4332,
0.4904

■ 78.9610, 0.4364,
0.4917

Harmonies

Analogous

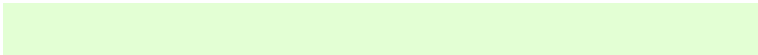
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8013, 0.3643, 0.3673



93.8013, 0.3463, 0.3784



93.8013, 0.3197, 0.3755

Triad

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



93.8013, 0.3463, 0.3784



93.8013, 0.2603, 0.3069



93.8013, 0.3323, 0.3022

Complementary

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



93.8013, 0.3463, 0.3784



63.1564, 0.2766, 0.2743

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.



93.8013, 0.3037, 0.2874



93.8013, 0.3463, 0.3784



93.8013, 0.2632, 0.2891

Square

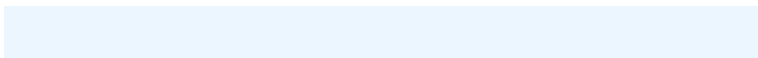
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.8013, 0.3463, 0.3784



93.8013, 0.2706, 0.3324



93.8013, 0.2787, 0.2825



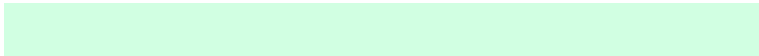
93.8013, 0.3563, 0.3235

Rectangle

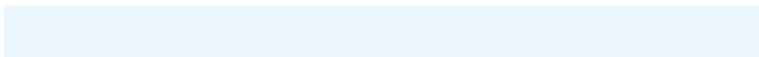
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.8013, 0.3463, 0.3784



93.8013, 0.3009, 0.3653



93.8013, 0.2787, 0.2825



93.8013, 0.3229, 0.2963

Sweetspot

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



93.8055, 0.3463, 0.3784



98.1770, 0.3217, 0.3424



67.0107, 0.3522, 0.3235



20.9725, 0.3227, 0.3439



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

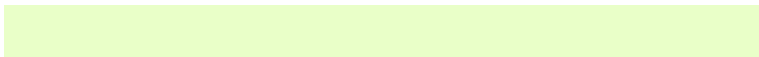
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8055, 0.3463, 0.3784



92.6884, 0.3535, 0.3888



92.9915, 0.3308, 0.3856



20.7942, 0.3271, 0.3504



41.3874, 0.4361, 0.4919



4.1083, 0.4339, 0.4936

Inverse Universe

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



63.1564, 0.2766, 0.2743



56.8848, 0.2682, 0.2612



64.0724, 0.2914, 0.2712



17.6408, 0.2979, 0.3067



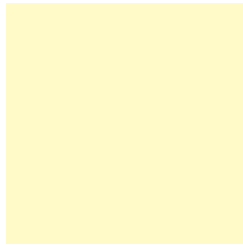
4.1808, 0.1516, 0.0658



0.4920, 0.1549, 0.0777

Previews

White Background



This preview shows how the Yxy color 93.8013, 0.3463, 0.3784 looks on a white background.

Color Contrast Check

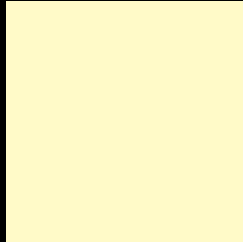
Large Text (above 18pt) WCAG AA × Fail

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 93.8013, 0.3463, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

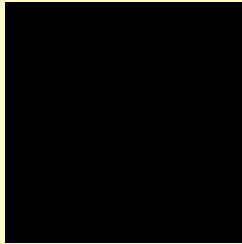
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.8013, 0.3463, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 93.8013, 0.3463, 0.3784.

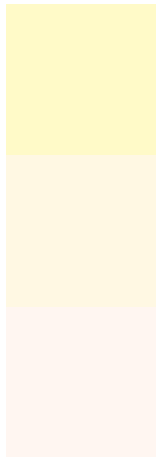


This preview shows how white text looks on a background with the Yxy color 93.8013, 0.3463, 0.3784.

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

93.8013, 0.3463, 0.3784

Protanopia

93.9409, 0.3300, 0.3496

Deuteranopia

93.5224, 0.3216, 0.3339



Tritanopia

93.7206, 0.3138, 0.3204

Trichromacy



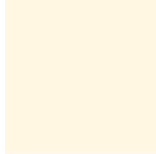
Original Color

93.8013, 0.3463, 0.3784



Protanomaly

94.0211, 0.3360, 0.3605



Deuteranomaly

93.2725, 0.3307, 0.3496



Tritanomaly

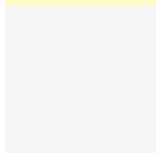
93.7220, 0.3257, 0.3417

Monochromacy



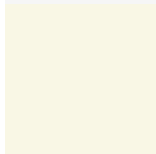
Original Color

93.8013, 0.3463, 0.3784



Achromatopsia

92.1582, 0.3127, 0.3290



Achromatomaly

92.3184, 0.3249, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8013, 0.3463, 0.3784 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, 250, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 200)  
}
```

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, 250, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 200) }
```

Border

The CSS property to change the border of an element to Yxy 93.8013, 0.3463, 0.3784 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, 250, 200) }
```

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

```
.border{ border-color:rgb(255, 250, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8013, 0.3463, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 200) }
```

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

```
.background{ background-color: rgb(255,  
250, 200) }
```

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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