

Converting Colors

$Y_{xy}(90.1276, 0.3561, 0.3877)$

Have a look what the booklet for
Yxy(90.1276, 0.3561, 0.3877)
contains.

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Color

Yxy(90.1100, 0.3562, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5BA
RGB	255, 245, 186
RGB Percent	100%, 96%, 73%
CMY	0.0000, 0.0392, 0.2706
CMYK	0.00, 0.04, 0.27, 0.00
HSL	51°, 100%, 86%
HSV	51°, 27%, 100%
XYZ	82.7674, 90.1100, 59.4847
YIQ	241.2640, 24.8990, -16.2290

Conversions

Conversions Part 2

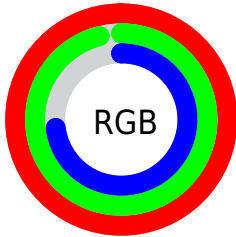
Format	Color
R _Y B	198, 255, 186
Decimal	16774586
CIE Lab	96.04, -5.47, 29.68
CIE LCh	96, 30.179, 100.450
Yxy	90.1100, 0.3562, 0.3878
Android (android.graphics.Color)	4294964666 (0xFFFFF5BA)
YUV	241.2640, -27.2452, 12.0465
Hunter-Lab	94.9263, -10.4847, 29.2949

Details

The Yxy color **90.1100, 0.3562, 0.3878** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.1432, 0.2665, 0.2624**, and the grayscale version is **88.3816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **50.0669, 0.3658, 0.4012** is the 20% darker color. If you saturate the color by 10%, you get **86.9006, 0.3732, 0.4096**, and if you desaturate by 10%, it is **93.5489, 0.3395, 0.3657**.

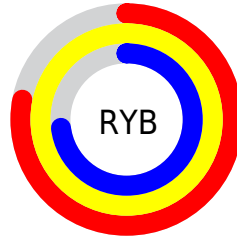
Distribution



Red (100%)

Green (96%)

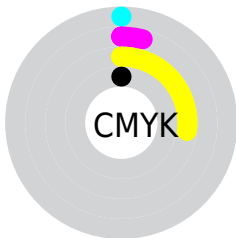
Blue (73%)



Red (78%)

Yellow (100%)

Blue (73%)

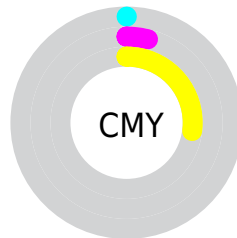


Cyan (0%)

Magenta (4%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1100, 0.3562, 0.3878 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 90.1100, 0.3562, 0.3878 by changing the saturation by 10% instead.

 90.1100, 0.3562,
0.3878

 90.1100, 0.3562,
0.3878

528.3886, 0.3372,
0.3615

 68.0719, 0.3603,
0.3936

 147.4912, 0.3498,
0.3789

 49.9562, 0.3651,
0.4005

183.6030, 0.3473,
0.3753

 35.3786, 0.3711,
0.4091


225.1749, 0.3450,
0.3723

 23.9547, 0.3784,
0.4200

272.5912, 0.3431,
0.3696

 15.3000, 0.3877,
0.4340

326.2363, 0.3414,
0.3672

 9.0302, 0.3995,
0.4527

386.4947, 0.3398,

 4.7609, 0.4146,

0.3651

0.4782

453.7506, 0.3384,
0.3632

■ 2.1077, 0.4571,
0.5429

■ 0.6689, 0.4288,
0.5712

■ 90.1100, 0.3562,
0.3878

■ 90.1100, 0.3562,
0.3878

■ 86.9006, 0.3732,
0.4096

■ 93.5489, 0.3395,
0.3657

■ 83.9233, 0.3899,
0.4301

■ 97.2403, 0.3234,
0.3439

■ 81.1621, 0.4057,
0.4484

100.0000, 0.3127,
0.3290

■ 78.6045, 0.4198,
0.4635

■ 76.2359, 0.4315,
0.4744

■ 74.0394, 0.4405,
0.4806

■ 71.9935, 0.4465,
0.4824

■ 71.4109, 0.4480,
0.4825

Harmonies

Analogous

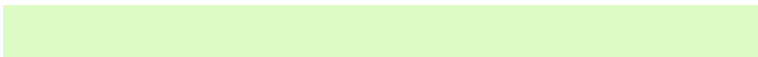
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1100, 0.3764, 0.3722



90.1100, 0.3562, 0.3878



90.1100, 0.3248, 0.3869

Triad

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



90.1100, 0.3562, 0.3878



90.1100, 0.2507, 0.3053



90.1100, 0.3322, 0.2944

Complementary

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



90.1100, 0.3562, 0.3878



57.1432, 0.2665, 0.2624

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.



90.1100, 0.2978, 0.2781



90.1100, 0.3562, 0.3878



90.1100, 0.2523, 0.2828

Square

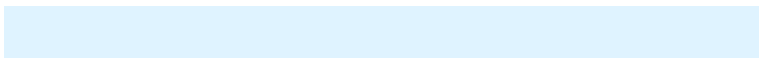
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.1100, 0.3562, 0.3878



90.1100, 0.2646, 0.3367



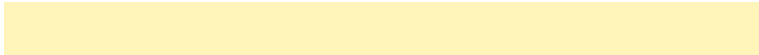
90.1100, 0.2690, 0.2736



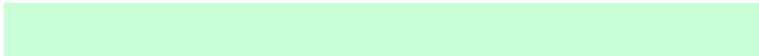
90.1100, 0.3625, 0.3189

Rectangle

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



90.1100, 0.3562, 0.3878



90.1100, 0.3022, 0.3760



90.1100, 0.2690, 0.2736



90.1100, 0.3206, 0.2878

Sweetspot

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



90.1056, 0.3562, 0.3878



96.8818, 0.3249, 0.3459



60.3800, 0.3628, 0.3184



20.6151, 0.3273, 0.3492



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

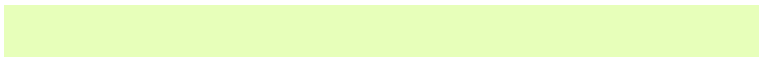
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1056, 0.3562, 0.3878



88.4926, 0.3646, 0.3987



92.0293, 0.3375, 0.4007



20.6151, 0.3273, 0.3492



37.4853, 0.4475, 0.4829



3.7671, 0.4438, 0.4858

Inverse Universe

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



57.1432, 0.2665, 0.2624



50.9463, 0.2569, 0.2481



56.0623, 0.2823, 0.2543



17.8027, 0.2979, 0.3080



4.5908, 0.1532, 0.0715



0.5680, 0.1578, 0.0880

Previews

White Background



This preview shows how the Yxy color 90.1100, 0.3562, 0.3878 looks on a white background.

Color Contrast Check

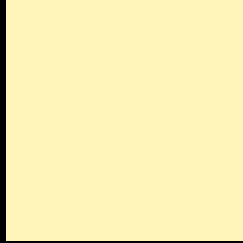
Large Text (above 18pt) WCAG AA × Fail

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 90.1100, 0.3562, 0.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

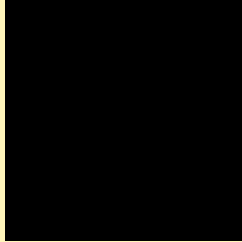
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.1100, 0.3562, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 90.1100, 0.3562, 0.3878.

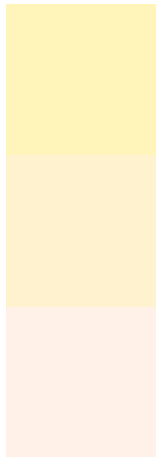


This preview shows how white text looks on a background with the Yxy color 90.1100, 0.3562, 0.3878.

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

90.1100, 0.3562, 0.3878

Protanopia

89.8662, 0.3432, 0.3648

Deuteranopia

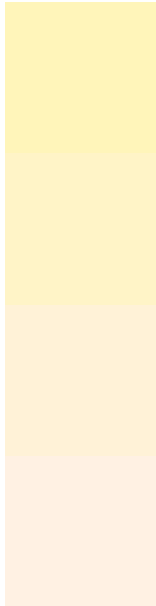
89.9401, 0.3282, 0.3388



Tritanopia

89.8951, 0.3165, 0.3184

Trichromacy



Original Color

90.1100, 0.3562, 0.3878

Protanomaly

90.0849, 0.3482, 0.3738

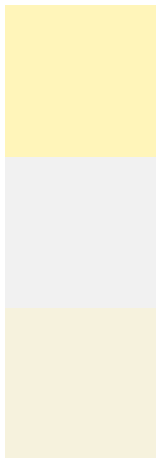
Deuteranomaly

89.6706, 0.3383, 0.3558

Tritanomaly

89.7166, 0.3308, 0.3428

Monochromacy



Original Color

90.1100, 0.3562, 0.3878

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.3175, 0.3283, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1100, 0.3562, 0.3878 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, 245, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 186)  
}
```

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, 245, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 186) }
```

Border

The CSS property to change the border of an element to Yxy 90.1100, 0.3562, 0.3878 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, 245, 186) }
```

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

```
.border{ border-color:rgb(255, 245, 186) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1100, 0.3562, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 186) }
```

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

```
.background{ background-color: rgb(255,  
245, 186) }
```

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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