

Converting Colors

$Y_{xy}(90.4592, 0.3605, 0.3961)$

Have a look what the booklet for
Yxy(90.4592, 0.3605, 0.3961)
contains.

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Color

Yxy(90.4262, 0.3603, 0.3957)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6B3
RGB	255, 246, 179
RGB Percent	100%, 96%, 70%
CMY	0.0000, 0.0353, 0.2981
CMYK	0.00, 0.04, 0.30, 0.00
HSL	53°, 100%, 85%
HSV	53°, 30%, 100%
XYZ	82.3365, 90.4262, 55.7594
YIQ	241.0530, 26.8710, -18.9290

Conversions

Conversions Part 2

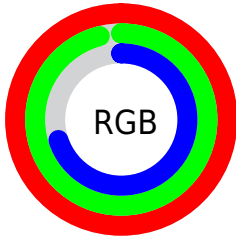
Format	Color
R _Y B	189, 255, 179
Decimal	16774835
CIE Lab	96.17, -6.87, 33.39
CIE LCh	96, 34.090, 101.623
Yxy	90.4262, 0.3603, 0.3957
Android (android.graphics.Color)	4294964915 (0xFFFFF6B3)
YUV	241.0530, -30.5921, 12.2315
Hunter-Lab	95.0927, -11.8570, 31.7991

Details

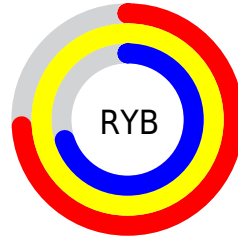
The Yxy color **90.4262, 0.3603, 0.3957** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.7678, 0.2610, 0.2521**, and the grayscale version is **88.2362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **50.2036, 0.3692, 0.4100** is the 20% darker color. If you saturate the color by 10%, you get **87.6672, 0.3768, 0.4178**, and if you desaturate by 10%, it is **93.4077, 0.3437, 0.3730**.

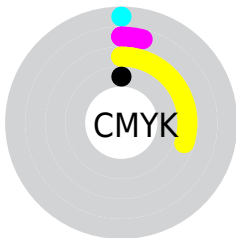
Distribution



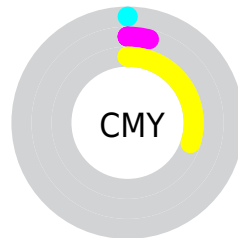
- Red (100%)
- Green (96%)
- Blue (70%)



- Red (74%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (4%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4262, 0.3603, 0.3957 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 90.4262, 0.3603, 0.3957 by changing the saturation by 10% instead.


 90.4262, 0.3603,
0.3957

 90.4262, 0.3603,
0.3957


529.4163, 0.3396,
0.3659

 68.3342, 0.3647,
0.4022


 147.9303, 0.3534,
0.3856

 50.1697, 0.3699,
0.4101


184.1111, 0.3506,
0.3816

 35.5482, 0.3762,
0.4197

225.7570, 0.3482,
0.3781

 24.0855, 0.3839,
0.4319

273.2524, 0.3461,
0.3751

 15.3970, 0.3935,
0.4475

326.9816, 0.3442,
0.3724

 9.0985, 0.4053,
0.4680

387.3290, 0.3425,

 4.8055, 0.4197,

0.3700

0.4957

454.6791, 0.3410,
0.3678

■ 2.1336, 0.4494,
0.5506

■ 0.6834, 0.4135,
0.5865

■ 90.4262, 0.3603,
0.3957

■ 90.4262, 0.3603,
0.3957

■ 87.6672, 0.3768,
0.4178

■ 93.4077, 0.3437,
0.3730

■ 85.1172, 0.3928,
0.4382

■ 96.6188, 0.3277,
0.3504

■ 82.7655, 0.4074,
0.4561

100.0000, 0.3127,
0.3290

■ 80.5990, 0.4200,
0.4703

■ 78.6029, 0.4302,
0.4803

■ 76.7594, 0.4375,
0.4857

■ 75.0404, 0.4422,
0.4870

■ 75.0075, 0.4423,
0.4870

Harmonies

Analogous

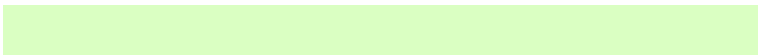
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4262, 0.3840, 0.3782



90.4262, 0.3603, 0.3957



90.4262, 0.3246, 0.3944

Triad

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



90.4262, 0.3603, 0.3957



90.4262, 0.2429, 0.3007



90.4262, 0.3361, 0.2911

Complementary

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



90.4262, 0.3603, 0.3957



52.7678, 0.2610, 0.2521

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.



90.4262, 0.2972, 0.2726



90.4262, 0.3603, 0.3957



90.4262, 0.2454, 0.2762

Square

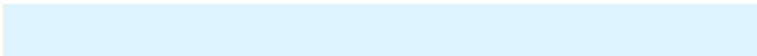
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.4262, 0.3603, 0.3957



90.4262, 0.2577, 0.3360



90.4262, 0.2646, 0.2669



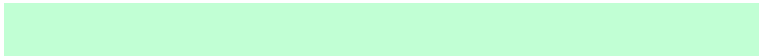
90.4262, 0.3701, 0.3187

Rectangle

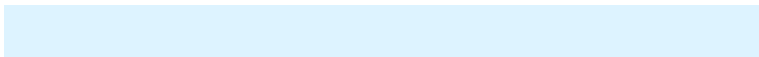
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.4262, 0.3603, 0.3957



90.4262, 0.2992, 0.3814



90.4262, 0.2646, 0.2669



90.4262, 0.3230, 0.2837

Sweetspot

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



90.4271, 0.3603, 0.3957



96.8876, 0.3264, 0.3486



57.1788, 0.3708, 0.3186



20.6342, 0.3287, 0.3519



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

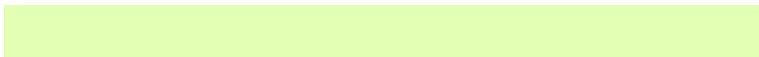
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4271, 0.3603, 0.3957



88.6920, 0.3706, 0.4095



91.1270, 0.3391, 0.4087



20.7018, 0.3272, 0.3498



39.3388, 0.4418, 0.4874



3.9296, 0.4389, 0.4897

Inverse Universe

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



52.7678, 0.2610, 0.2521



45.3263, 0.2486, 0.2331



52.7049, 0.2795, 0.2461



17.7240, 0.2979, 0.3074



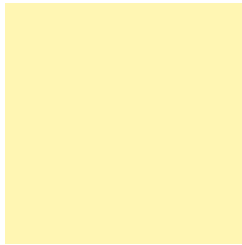
4.3713, 0.1524, 0.0684



0.5312, 0.1564, 0.0831

Previews

White Background



This preview shows how the Yxy color 90.4262, 0.3603, 0.3957 looks on a white background.

Color Contrast Check

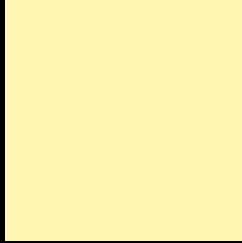
Large Text (above 18pt) WCAG AA × Fail

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 90.4262, 0.3603, 0.3957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

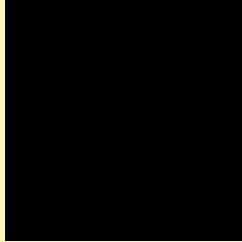
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.4262, 0.3603, 0.3957

Background



This preview shows how black text looks on a background with the Yxy color 90.4262, 0.3603, 0.3957.

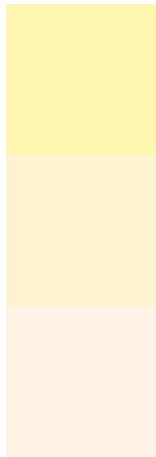


This preview shows how white text looks on a background with the Yxy color 90.4262, 0.3603, 0.3957.

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

90.4262, 0.3603, 0.3957

Protanopia

90.5154, 0.3424, 0.3647

Deuteranopia

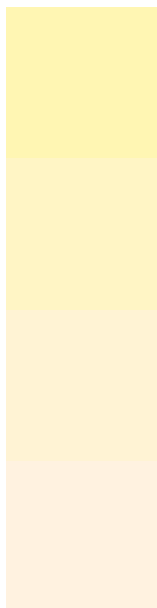
90.5338, 0.3281, 0.3398



Tritanopia

90.4823, 0.3164, 0.3194

Trichromacy



Original Color

90.4262, 0.3603, 0.3957

Protanomaly

90.5960, 0.3492, 0.3768

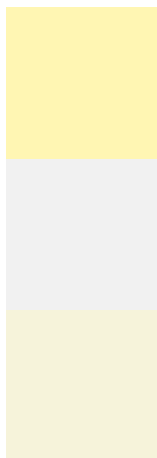
Deuteranomaly

90.1147, 0.3400, 0.3598

Tritanomaly

90.1461, 0.3325, 0.3468

Monochromacy



Original Color

90.4262, 0.3603, 0.3957

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.7560, 0.3301, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4262, 0.3603, 0.3957 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 179) }
```

Border

The CSS property to change the border of an element to Yxy 90.4262, 0.3603, 0.3957 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, 179) }
```

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

```
.border{ border-color:rgb(255, 246, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4262, 0.3603, 0.3957 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, 179) }
```

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

```
.background{ background-color: rgb(255,  
246, 179) }
```

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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