

Converting Colors

$Y_{xy}(90.2451, 0.3578, 0.3983)$

Have a look what the booklet for
Yxy(90.2451, 0.3578, 0.3983)
contains.

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Color

Yxy(90.2451, 0.3578, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	FBF7B2
RGB	251, 247, 178
RGB Percent	98%, 97%, 70%
CMY	0.0158, 0.0313, 0.3020
CMYK	0.00, 0.02, 0.29, 0.02
HSL	57°, 90%, 84%
HSV	57°, 29%, 98%
XYZ	81.0688, 90.2451, 55.2618
YIQ	240.3300, 24.5330, -20.6110

Conversions

Conversions Part 2

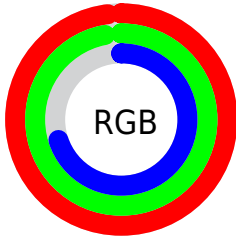
Format	Color
RYB	182, 251, 178
Decimal	16512946
CIELab	96.10, -9.00, 33.74
CIELCh	96, 34.920, 104.942
Yxy	90.2451, 0.3578, 0.3983
Android (android.graphics.Color)	4294703026 (0xFFFFBF7B2)
YUV	240.3300, -30.7287, 9.3576
Hunter-Lab	94.9974, -13.9174, 32.0081

Details

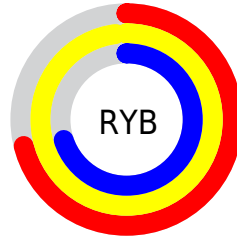
The Yxy color **90.2451, 0.3578, 0.3983** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.8561, 0.2618, 0.2488**, and the grayscale version is **87.6386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **50.2116, 0.3668, 0.4131** is the 20% darker color. If you saturate the color by 10%, you get **88.5056, 0.3733, 0.4216**, and if you desaturate by 10%, it is **92.1831, 0.3420, 0.3742**.

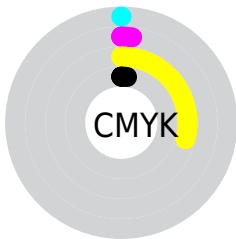
Distribution



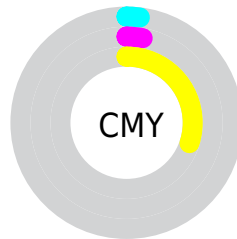
- Red (98%)
- Green (97%)
- Blue (70%)



- Red (71%)
- Yellow (98%)
- Blue (70%)



- Cyan (0%)
- Magenta (2%)
- Yellow (29%)
- Black (2%)





- Cyan (2%)
- Magenta (3%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2451, 0.3578, 0.3983 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 90.2451, 0.3578, 0.3983 by changing the saturation by 10% instead.


 90.2451, 0.3578,
0.3983

 90.2451, 0.3578,
0.3983


528.8278, 0.3383,
0.3672

 68.1839, 0.3619,
0.4051


 147.6788, 0.3513,
0.3877

 50.0474, 0.3668,
0.4134


183.8201, 0.3487,
0.3835

 35.4511, 0.3726,
0.4236


225.4237, 0.3464,
0.3799

 24.0105, 0.3798,
0.4364

272.8738, 0.3444,
0.3767

 15.3414, 0.3886,
0.4530

326.5548, 0.3426,
0.3739

 9.0594, 0.3992,
0.4749

386.8513, 0.3410,

 4.7799, 0.4120,

0.3714

0.5049

454.1475, 0.3396,
0.3692

■ 2.1187, 0.4372,
0.5628

■ 0.6751, 0.3846,
0.6154

■ 90.2451, 0.3578,
0.3983

■ 90.2451, 0.3578,
0.3983

■ 88.5056, 0.3733,
0.4216

■ 92.1831, 0.3420,
0.3742

■ 86.9424, 0.3879,
0.4432

■ 94.3169, 0.3264,
0.3502

■ 85.5486, 0.4010,
0.4621

■ 96.6590, 0.3114,
0.3269

■ 84.3117, 0.4119,
0.4773

■ 97.6193, 0.3103,
0.3265

■ 83.2178, 0.4203,
0.4882

■ 98.4755, 0.3103,
0.3278

■ 82.2503, 0.4259,
0.4947

■ 99.2417, 0.3102,
0.3290

■ 81.3842, 0.4290,
0.4972

■ 81.3063, 0.4293,
0.4974

Harmonies

Analogous

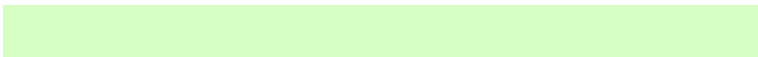
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2451, 0.3839, 0.3820



90.2451, 0.3578, 0.3983



90.2451, 0.3205, 0.3946

Triad

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



90.2451, 0.3578, 0.3983



90.2451, 0.2407, 0.2965



90.2451, 0.3409, 0.2930

Complementary

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



90.2451, 0.3578, 0.3983



49.8561, 0.2618, 0.2488

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.



90.2451, 0.3010, 0.2728



90.2451, 0.3578, 0.3983



90.2451, 0.2452, 0.2731

Square

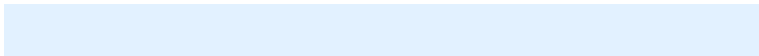
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.2451, 0.3578, 0.3983



90.2451, 0.2539, 0.3319



90.2451, 0.2665, 0.2653



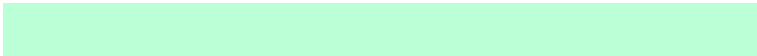
90.2451, 0.3745, 0.3218

Rectangle

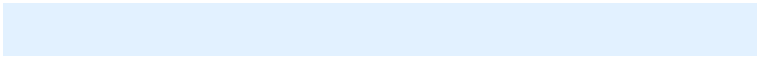
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.2451, 0.3578, 0.3983



90.2451, 0.2946, 0.3798



90.2451, 0.2665, 0.2653



90.2451, 0.3277, 0.2851

Sweetspot

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



90.2492, 0.3578, 0.3983



97.8209, 0.3263, 0.3500



55.7535, 0.3732, 0.3240



20.8658, 0.3285, 0.3535



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

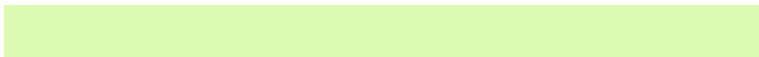
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2492, 0.3578, 0.3983



92.4874, 0.3671, 0.4123



87.2963, 0.3352, 0.4073



20.0206, 0.3270, 0.3512



42.8246, 0.4291, 0.4975



4.0140, 0.4278, 0.4985

Inverse Universe

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



49.8561, 0.2618, 0.2488



44.2635, 0.2497, 0.2292



52.4461, 0.2841, 0.2492



16.7933, 0.2979, 0.3058



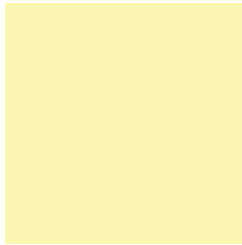
3.8823, 0.1509, 0.0633



0.4108, 0.1531, 0.0712

Previews

White Background



This preview shows how the Yxy color 90.2451, 0.3578, 0.3983 looks on a white background.

Color Contrast Check

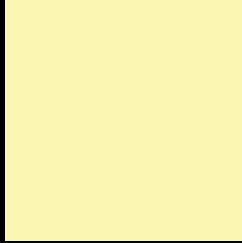
Large Text (above 18pt) WCAG AA × Fail

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 90.2451, 0.3578, 0.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

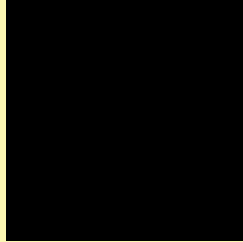
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.2451, 0.3578, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 90.2451, 0.3578, 0.3983.

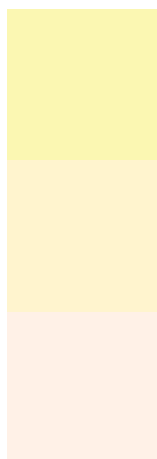


This preview shows how white text looks on a background with the Yxy color 90.2451, 0.3578, 0.3983.

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

90.2451, 0.3578, 0.3983

Protanopia

90.4176, 0.3437, 0.3668

Deuteranopia

89.9401, 0.3282, 0.3388



Tritanopia

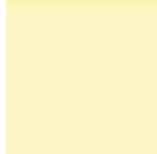
90.0213, 0.3153, 0.3165

Trichromacy



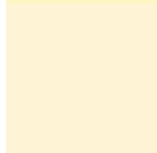
Original Color

90.2451, 0.3578, 0.3983



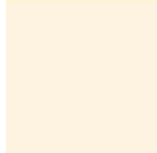
Protanomaly

90.3612, 0.3492, 0.3779



Deuteranomaly

89.9255, 0.3394, 0.3598



Tritanomaly

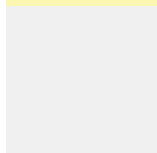
90.0113, 0.3312, 0.3458

Monochromacy



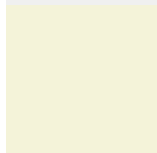
Original Color

90.2451, 0.3578, 0.3983



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.3440, 0.3294, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2451, 0.3578, 0.3983 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(251, 247, 178)` looks like.

```
.text, #text, p{  
    color:rgb(251, 247, 178)  
}
```

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(251, 247, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 247, 178) }
```

Border

The CSS property to change the border of an element to Yxy 90.2451, 0.3578, 0.3983 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(251, 247, 178) }
```

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

```
.border{ border-color:rgb(251, 247, 178) }
```

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

Here you see how a box with a 4 pixel rgb(251, 247, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 247, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 247, 178);  
box-shadow:4px 4px 4px 4px rgb(251, 247,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2451, 0.3578, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 247, 178) }
```

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

```
.background{ background-color: rgb(251,  
247, 178) }
```

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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