

Converting Colors

$Y_{xy}(78.9619, 0.3642, 0.3979)$

Have a look what the booklet for
Yxy(78.9619, 0.3642, 0.3979)
contains.

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Color

Yxy(78.9231, 0.3648, 0.3981)

Conversions

Conversions Part 1

Format	Color
Hex	F3E7A5
RGB	243, 231, 165
RGB Percent	95%, 91%, 65%
CMY	0.0472, 0.0941, 0.3531
CMYK	0.00, 0.05, 0.32, 0.05
HSL	51°, 76%, 80%
HSV	51°, 32%, 95%
XYZ	72.3214, 78.9231, 47.0049
YIQ	227.0640, 28.3380, -17.9820

Conversions

Conversions Part 2

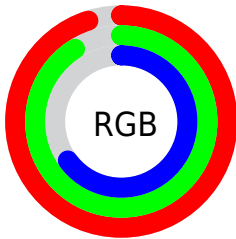
Format	Color
RYB	179, 243, 165
Decimal	15984549
CIELab	91.20, -5.60, 33.67
CIELCh	91, 34.133, 99.436
Yxy	78.9231, 0.3648, 0.3981
Android (android.graphics.Color)	4294174629 (0xFFFF3E7A5)
YUV	227.0640, -30.5976, 13.9759
Hunter-Lab	88.8387, -10.1552, 30.8165

Details

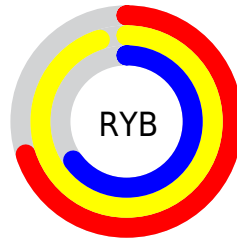
The Yxy color **78.9231, 0.3648, 0.3981** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **45.8840, 0.2570, 0.2488**, and the grayscale version is **77.0748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **42.6596, 0.3762, 0.4146** is the 20% darker color. If you saturate the color by 10%, you get **76.0608, 0.3818, 0.4192**, and if you desaturate by 10%, it is **82.0051, 0.3478, 0.3763**.

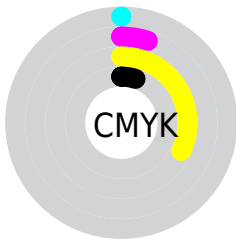
Distribution



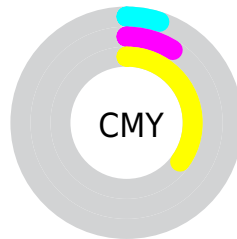
- Red (95%)
- Green (91%)
- Blue (65%)



- Red (70%)
- Yellow (95%)
- Blue (65%)



- Cyan (0%)
- Magenta (5%)
- Yellow (32%)
- Black (5%)





- Cyan (5%)
- Magenta (9%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9231, 0.3648, 0.3981 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 78.9231, 0.3648, 0.3981 by changing the saturation by 10% instead.


 78.9231, 0.3648,
0.3981

 78.9231, 0.3648,
0.3981


491.2962, 0.3416,
0.3666

 58.8326, 0.3698,
0.4051

 131.8506, 0.3570,
0.3873

 42.4784, 0.3759,
0.4136


 165.4564, 0.3538,
0.3830

 29.4760, 0.3832,
0.4242


204.3360, 0.3511,
0.3794

 19.4412, 0.3923,
0.4376

248.8739, 0.3487,
0.3762

 11.9895, 0.4036,
0.4549

299.4545, 0.3466,
0.3733

 6.7366, 0.4176,
0.4777

356.4621, 0.3448,

 3.2979, 0.4461,

0.3708

420.2812, 0.3431,
0.3686

0.5221

1.2892, 0.4508,
0.5492

0.1328, 0.0000,
1.0000

78.9231, 0.3648,
0.3981

78.9231, 0.3648,
0.3981

76.0608, 0.3818,
0.4192

82.0051, 0.3478,
0.3763

73.3975, 0.3984,
0.4386

85.3050, 0.3314,
0.3545

70.9261, 0.4136,
0.4552

88.8348, 0.3159,
0.3333

68.6346, 0.4269,
0.4682

92.1326, 0.3055,
0.3201

■ 66.5090, 0.4376,
0.4768

■ 94.4210, 0.3054,
0.3238

■ 64.5329, 0.4454,
0.4807

■ 96.7551, 0.3054,
0.3274

■ 63.0579, 0.4498,
0.4811

■ 97.7905, 0.3053,
0.3290

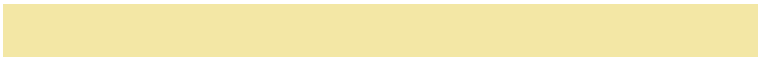
Harmonies

Analogous

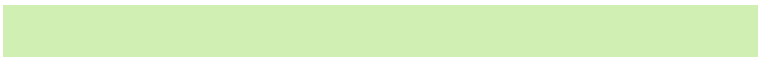
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9231, 0.3884, 0.3784



78.9231, 0.3648, 0.3981



78.9231, 0.3280, 0.3986

Triad

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



78.9231, 0.3648, 0.3981



78.9231, 0.2403, 0.3016



78.9231, 0.3341, 0.2877

Complementary

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



78.9231, 0.3648, 0.3981



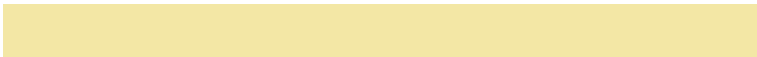
45.8840, 0.2570, 0.2488

Split Complementary

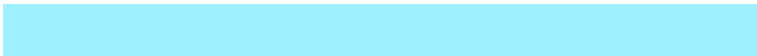
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9231, 0.2936, 0.2692



78.9231, 0.3648, 0.3981



78.9231, 0.2416, 0.2751

Square

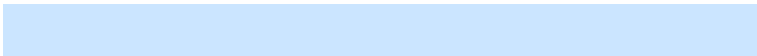
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9231, 0.3648, 0.3981



78.9231, 0.2569, 0.3392



78.9231, 0.2604, 0.2642



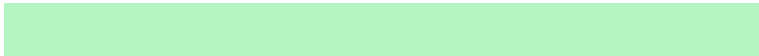
78.9231, 0.3707, 0.3158

Rectangle

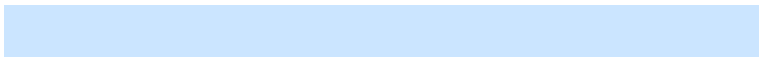
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9231, 0.3648, 0.3981



78.9231, 0.3013, 0.3860



78.9231, 0.2604, 0.2642



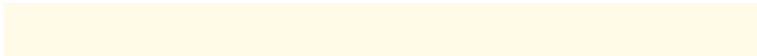
78.9231, 0.3204, 0.2802

Sweetspot

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



78.9267, 0.3648, 0.3981



95.9956, 0.3281, 0.3500



49.1641, 0.3743, 0.3149



20.4311, 0.3303, 0.3530



0.0000, 0.0000, 0.0000



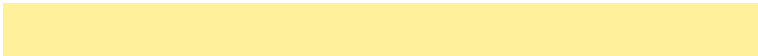
21.4041, 0.3127, 0.3290

Same Dimension

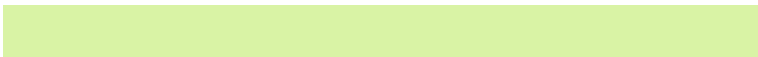
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9267, 0.3648, 0.3981



85.8184, 0.3768, 0.4130



81.5508, 0.3428, 0.4145



18.8552, 0.3272, 0.3489



34.7774, 0.4492, 0.4815



3.1711, 0.4449, 0.4850

Inverse Universe

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



45.8840, 0.2570, 0.2488



43.2933, 0.2431, 0.2278



44.4429, 0.2744, 0.2387



16.3368, 0.2979, 0.3083



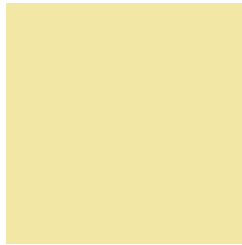
4.4081, 0.1535, 0.0727



0.5074, 0.1588, 0.0918

Previews

White Background



This preview shows how the Yxy color 78.9231, 0.3648, 0.3981 looks on a white background.

Color Contrast Check

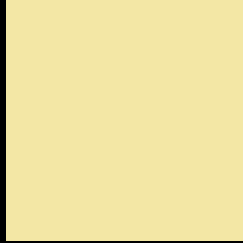
Large Text (above 18pt) WCAG AA × Fail

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 78.9231, 0.3648, 0.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

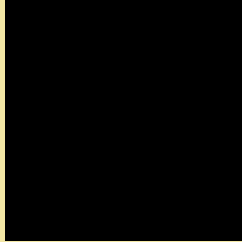
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9231, 0.3648, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 78.9231, 0.3648, 0.3981.



This preview shows how white text looks on a background with the Yxy color 78.9231, 0.3648, 0.3981.

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

78.9231, 0.3648, 0.3981

Protanopia

79.0481, 0.3688, 0.3974

Deuteranopia

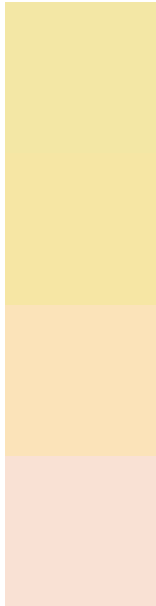
78.6025, 0.3537, 0.3565



Tritanopia

78.6403, 0.3228, 0.3111

Trichromacy



Original Color

78.9231, 0.3648, 0.3981

Protanomaly

78.8668, 0.3680, 0.3976

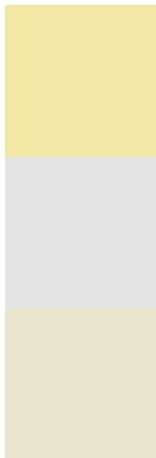
Deuteranomaly

78.9502, 0.3584, 0.3722

Tritanomaly

78.7436, 0.3386, 0.3424

Monochromacy



Original Color

78.9231, 0.3648, 0.3981

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.1701, 0.3320, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9231, 0.3648, 0.3981 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(243, 231, 165)` looks like.

```
.text, #text, p{  
    color:rgb(243, 231, 165)  
}
```

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(243, 231, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 231, 165) }
```

Border

The CSS property to change the border of an element to Yxy 78.9231, 0.3648, 0.3981 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(243, 231, 165) }
```

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

```
.border{ border-color:rgb(243, 231, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 231, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 231, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 231, 165);  
box-shadow:4px 4px 4px 4px rgb(243, 231,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9231, 0.3648, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 231, 165) }
```

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

```
.background{ background-color: rgb(243,  
231, 165) }
```

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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