

Converting Colors

$Y_{xy}(78.7492, 0.3533, 0.3927)$

Have a look what the booklet for
Yxy(78.7492, 0.3533, 0.3927)
contains.

Yxy(78.9571, 0.3531, 0.3929)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.9571, 0.3531, 0.3929)

Conversions

Conversions Part 1

Format	Color
Hex	EBE9AD
RGB	235, 233, 173
RGB Percent	92%, 91%, 68%
CMY	0.0782, 0.0863, 0.3215
CMYK	0.00, 0.01, 0.26, 0.08
HSL	58°, 61%, 80%
HSV	58°, 26%, 92%
XYZ	70.9589, 78.9571, 51.0438
YIQ	226.7580, 20.4520, -18.2360

Conversions

Conversions Part 2

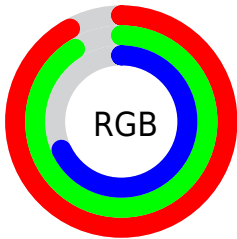
Format	Color
RYB	175, 235, 173
Decimal	15460781
CIELab	91.21, -8.55, 29.49
CIELCh	91, 30.700, 106.165
Yxy	78.9571, 0.3531, 0.3929
Android (android.graphics.Color)	4293650861 (0xFFEBE9AD)
YUV	226.7580, -26.5027, 7.2282
Hunter-Lab	88.8578, -12.9570, 28.1417

Details

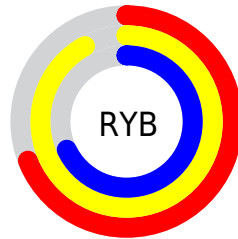
The Yxy color **78.9571, 0.3531, 0.3929** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **45.5844, 0.2672, 0.2559**, and the grayscale version is **76.8247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **42.3841, 0.3624, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **77.6851, 0.3684, 0.4168**, and if you desaturate by 10%, it is **80.3983, 0.3375, 0.3684**.

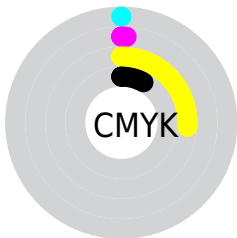
Distribution



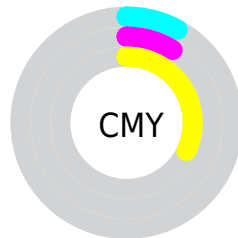
- Red (92%)
- Green (91%)
- Blue (68%)



- Red (69%)
- Yellow (92%)
- Blue (68%)



- Cyan (0%)
- Magenta (1%)
- Yellow (26%)
- Black (8%)





- Cyan (8%)
- Magenta (9%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9571, 0.3531, 0.3929 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 78.9571, 0.3531, 0.3929 by changing the saturation by 10% instead.

 78.9571, 0.3531,
0.3929

 78.9571, 0.3531,
0.3929

491.4112, 0.3351,
0.3634

 58.8605, 0.3570,
0.3995


 131.8985, 0.3470,
0.3827

 42.5009, 0.3617,
0.4077

165.5121, 0.3446,
0.3788

 29.4937, 0.3674,
0.4179


204.4001, 0.3425,
0.3753

 19.4546, 0.3745,
0.4310

248.9470, 0.3407,
0.3723

 11.9992, 0.3834,
0.4484

299.5372, 0.3390,
0.3697

 6.7431, 0.3945,
0.4721

356.5550, 0.3376,

 3.3020, 0.4122,

0.3674

0.5111

420.3849, 0.3363,
0.3653

■ 1.2914, 0.4310,
0.5690

■ 0.1345, 0.0000,
1.0000

■ 78.9571, 0.3531,
0.3929

■ 78.9571, 0.3531,
0.3929

■ 77.6851, 0.3684,
0.4168

■ 80.3983, 0.3375,
0.3684

■ 76.5632, 0.3829,
0.4393

■ 82.0058, 0.3222,
0.3441


■ 75.5858, 0.3959,
0.4592


■ 83.7905, 0.3075,
0.3207

■ 74.7428, 0.4069,
0.4756


■ 84.9589, 0.3006,
0.3101


 74.0228, 0.4155,
0.4880


 85.4129, 0.3006,
0.3109


 73.4122, 0.4213,
0.4960


 85.8690, 0.3006,
0.3117

 72.8944, 0.4245,
0.4997

 86.3270, 0.3006,
0.3125

 72.7204, 0.4253,
0.5005

 86.7870, 0.3006,
0.3133

 87.2490, 0.3006,
0.3141

Harmonies

Analogous

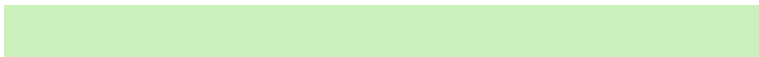
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9571, 0.3776, 0.3789



78.9571, 0.3531, 0.3929



78.9571, 0.3186, 0.3884

Triad

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



78.9571, 0.3531, 0.3929



78.9571, 0.2460, 0.2981



78.9571, 0.3402, 0.2967

Complementary

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



78.9571, 0.3531, 0.3929



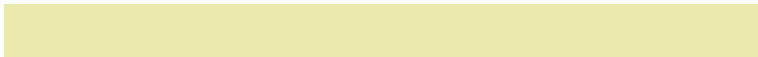
45.5844, 0.2672, 0.2559

Split Complementary

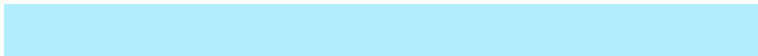
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9571, 0.3036, 0.2775



78.9571, 0.3531, 0.3929



78.9571, 0.2509, 0.2769

Square

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



78.9571, 0.3531, 0.3929



78.9571, 0.2577, 0.3304



78.9571, 0.2713, 0.2702



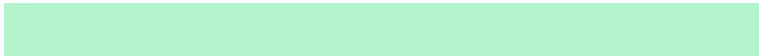
78.9571, 0.3704, 0.3237

Rectangle

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



78.9571, 0.3531, 0.3929



78.9571, 0.2948, 0.3743



78.9571, 0.2713, 0.2702



78.9571, 0.3281, 0.2892

Sweetspot

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



78.9606, 0.3531, 0.3929



98.3205, 0.3247, 0.3481



50.7062, 0.3666, 0.3257



20.9803, 0.3270, 0.3517



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.



78.9606, 0.3531, 0.3929



94.0838, 0.3620, 0.4068



75.7555, 0.3324, 0.3995



17.5355, 0.3269, 0.3515



40.4879, 0.4252, 0.5006



3.2064, 0.4244, 0.5013

Inverse Universe

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



45.5844, 0.2672, 0.2559



47.2512, 0.2556, 0.2372



48.3048, 0.2882, 0.2577



14.6296, 0.2980, 0.3055



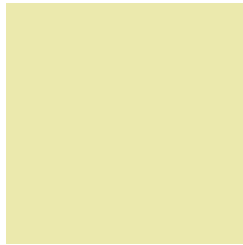
3.4697, 0.1506, 0.0621



0.3010, 0.1522, 0.0679

Previews

White Background



This preview shows how the Yxy color 78.9571, 0.3531, 0.3929 looks on a white background.

Color Contrast Check

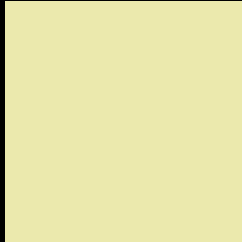
Large Text (above 18pt) WCAG AA × Fail

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 78.9571, 0.3531, 0.3929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

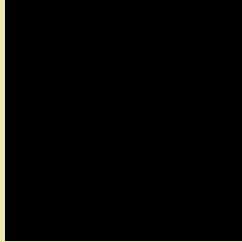
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9571, 0.3531, 0.3929

Background



This preview shows how black text looks on a background with the Yxy color 78.9571, 0.3531, 0.3929.



This preview shows how white text looks on a background with the Yxy color 78.9571, 0.3531, 0.3929.

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

78.9571, 0.3531, 0.3929

Protanopia

78.5717, 0.3637, 0.3894

Deuteranopia

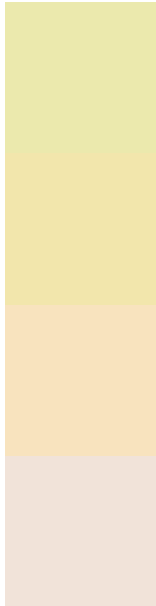
78.6948, 0.3523, 0.3545



Tritanopia

78.9552, 0.3150, 0.3109

Trichromacy



Original Color

78.9571, 0.3531, 0.3929

Protanomaly

78.4494, 0.3597, 0.3900

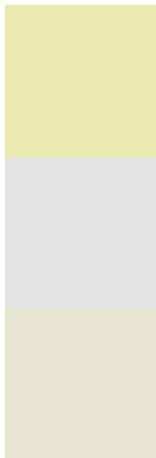
Deuteranomaly

78.6123, 0.3527, 0.3674

Tritanomaly

78.6487, 0.3291, 0.3394

Monochromacy



Original Color

78.9571, 0.3531, 0.3929

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.3666, 0.3277, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9571, 0.3531, 0.3929 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(235, 233, 173)` looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 173)  
}
```

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(235, 233, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 173) }
```

Border

The CSS property to change the border of an element to Yxy 78.9571, 0.3531, 0.3929 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(235, 233, 173) }
```

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

```
.border{ border-color:rgb(235, 233, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 173);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9571, 0.3531, 0.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 173) }
```

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

```
.background{ background-color: rgb(235,  
233, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor