

Converting Colors

$Yxy(77.7340, 0.3380, 0.3947)$

Have a look what the booklet for
Yxy(77.7340, 0.3380, 0.3947)
contains.

Yxy(78.0309, 0.3381, 0.3953)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.0309, 0.3381, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	DAECB0
RGB	218, 236, 176
RGB Percent	85%, 93%, 69%
CMY	0.1452, 0.0745, 0.3097
CMYK	0.08, 0.00, 0.25, 0.07
HSL	78°, 61%, 81%
HSV	78°, 25%, 93%
XYZ	66.7398, 78.0309, 52.6259
YIQ	223.7780, 8.5320, -22.4760

Conversions

Conversions Part 2

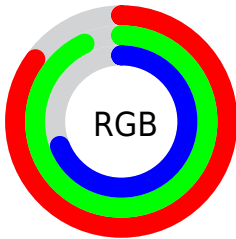
Format	Color
RYB	176, 236, 194
Decimal	14347440
CIELab	90.79, -15.91, 27.17
CIELCh	91, 31.486, 120.346
Yxy	78.0309, 0.3381, 0.3953
Android (android.graphics.Color)	4292537520 (0xFFDAECB0)
YUV	223.7780, -23.5546, -5.0673
Hunter-Lab	88.3351, -19.7243, 26.5123

Details

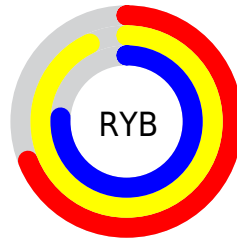
The Yxy color **78.0309, 0.3381, 0.3953** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.5914, 0.2823, 0.2592**, and the grayscale version is **74.5408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **41.8591, 0.3437, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **76.1090, 0.3475, 0.4230**, and if you desaturate by 10%, it is **80.1690, 0.3282, 0.3682**.

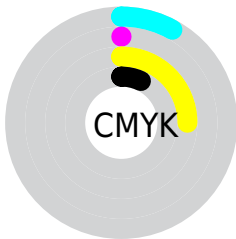
Distribution



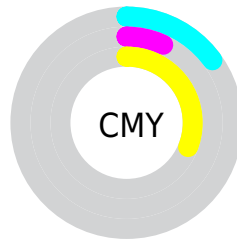
- Red (85%)
- Green (93%)
- Blue (69%)



- Red (69%)
- Yellow (93%)
- Blue (76%)



- Cyan (8%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)





- Cyan (15%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0309, 0.3381, 0.3953 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 78.0309, 0.3381, 0.3953 by changing the saturation by 10% instead.


 78.0309, 0.3381,
0.3953

 78.0309, 0.3381,
0.3953


488.2718, 0.3271,
0.3642

 58.0994, 0.3404,
0.4025


 130.5937, 0.3344,
0.3845

 41.8885, 0.3432,
0.4113


163.9937, 0.3330,
0.3803

 29.0140, 0.3465,
0.4226


202.6520, 0.3317,
0.3766

 19.0914, 0.3504,
0.4372

246.9530, 0.3305,
0.3735

 11.7364, 0.3552,
0.4571

297.2811, 0.3295,
0.3708

 6.5644, 0.3605,
0.4853

354.0207, 0.3286,

 3.1912, 0.3677,

0.3683

0.5313

417.5561, 0.3278,
0.3662

1.2324, 0.3775,
0.6225

0.0879, 0.0000,
1.0000

78.0309, 0.3381,
0.3953

78.0309, 0.3381,
0.3953

76.1090, 0.3475,
0.4230

80.1690, 0.3282,
0.3682

74.3839, 0.3560,
0.4504

82.5213, 0.3181,
0.3423

72.8494, 0.3630,
0.4764

85.0991, 0.3082,
0.3182

71.4947, 0.3679,
0.4997

86.8763, 0.3079,
0.3104

■ 70.3077, 0.3705,
0.5192

■ 88.1870, 0.3126,
0.3107

■ 69.2746, 0.3705,
0.5340

■ 88.4782, 0.3136,
0.3107

■ 68.3783, 0.3680,
0.5439

■ 68.0015, 0.3664,
0.5473

Harmonies

Analogous

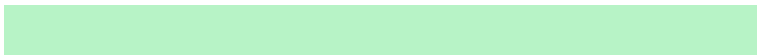
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0309, 0.3694, 0.3892



78.0309, 0.3381, 0.3953



78.0309, 0.3012, 0.3808

Triad

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



78.0309, 0.3381, 0.3953



78.0309, 0.2444, 0.2851



78.0309, 0.3573, 0.3082

Complementary

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



78.0309, 0.3381, 0.3953



48.5914, 0.2823, 0.2592

Split Complementary

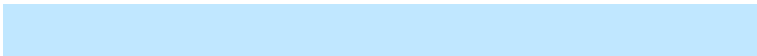
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0309, 0.3211, 0.2841



78.0309, 0.3381, 0.3953



78.0309, 0.2572, 0.2703

Square

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



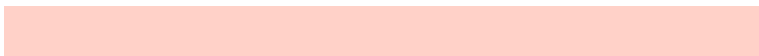
78.0309, 0.3381, 0.3953



78.0309, 0.2484, 0.3137



78.0309, 0.2846, 0.2704



78.0309, 0.3815, 0.3379

Rectangle

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



78.0309, 0.3381, 0.3953



78.0309, 0.2784, 0.3612



78.0309, 0.2846, 0.2704



78.0309, 0.3460, 0.2993

Sweetspot

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



78.0343, 0.3381, 0.3953



97.6100, 0.3207, 0.3489



59.5609, 0.3618, 0.3491



20.8005, 0.3222, 0.3528



0.0000, 0.0000, 0.0000



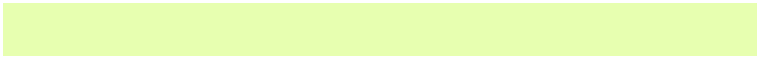
21.4041, 0.3127, 0.3290

Same Dimension

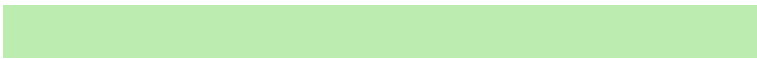
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0343, 0.3381, 0.3953



91.6794, 0.3436, 0.4111



73.8269, 0.3172, 0.3998



17.3865, 0.3222, 0.3526



37.5497, 0.3672, 0.5466



2.9983, 0.3746, 0.5407

Inverse Universe

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



48.5914, 0.2823, 0.2592



50.4923, 0.2740, 0.2414



52.9637, 0.3060, 0.2639



14.7685, 0.3027, 0.3050



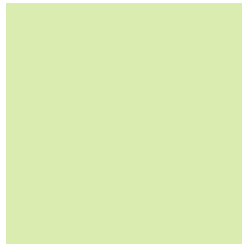
4.1349, 0.1704, 0.0712



0.3732, 0.1851, 0.0793

Previews

White Background



This preview shows how the Yxy color 78.0309, 0.3381, 0.3953 looks on a white background.

Color Contrast Check

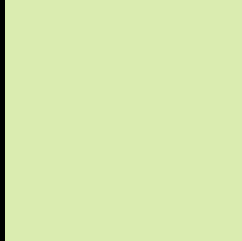
Large Text (above 18pt) WCAG AA × Fail

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 78.0309, 0.3381, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

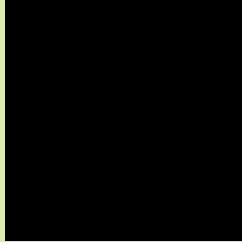
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

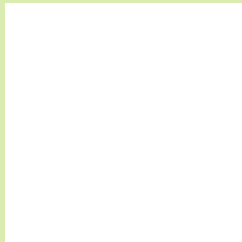
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0309, 0.3381, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 78.0309, 0.3381, 0.3953.

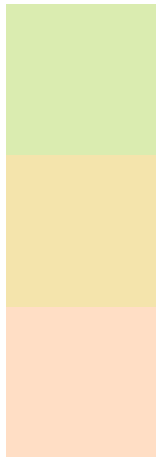


This preview shows how white text looks on a background with the Yxy color 78.0309, 0.3381, 0.3953.

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

78.0309, 0.3381, 0.3953

Protanopia

77.6985, 0.3618, 0.3877

Deuteranopia

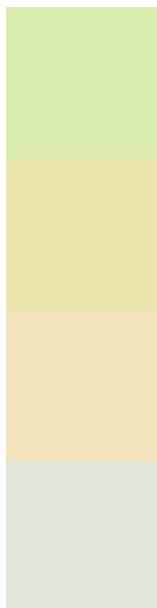
77.5338, 0.3541, 0.3546



Tritanopia

78.0247, 0.3021, 0.3103

Trichromacy



Original Color

78.0309, 0.3381, 0.3953

Protanomaly

77.8311, 0.3536, 0.3910

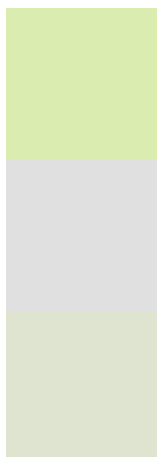
Deuteranomaly

77.4895, 0.3489, 0.3690

Tritanomaly

77.6082, 0.3150, 0.3397

Monochromacy



Original Color

78.0309, 0.3381, 0.3953

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.5214, 0.3221, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0309, 0.3381, 0.3953 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(218, 236, 176)` looks like.

```
.text, #text, p{  
    color:rgb(218, 236, 176)  
}
```

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(218, 236, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 236, 176) }
```

Border

The CSS property to change the border of an element to Yxy 78.0309, 0.3381, 0.3953 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(218, 236, 176) }
```

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

```
.border{ border-color:rgb(218, 236, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 236, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 236, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 236, 176); box-shadow:4px 4px 4px 4px rgb(218, 236, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0309, 0.3381, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 236, 176) }
```

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

```
.background{ background-color: rgb(218,  
236, 176) }
```

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