

Converting Colors

$Yxy(78.0728, 0.3285, 0.3803)$

Have a look what the booklet for
Yxy(78.0728, 0.3285, 0.3803)
contains.

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Color

Yxy(78.2640, 0.3285, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	D8ECBD
RGB	216, 236, 189
RGB Percent	85%, 93%, 74%
CMY	0.1530, 0.0745, 0.2587
CMYK	0.08, 0.00, 0.20, 0.07
HSL	86°, 55%, 83%
HSV	86°, 20%, 93%
XYZ	67.4973, 78.2640, 59.7099
YIQ	224.6620, 3.1670, -18.8570

Conversions

Conversions Part 2

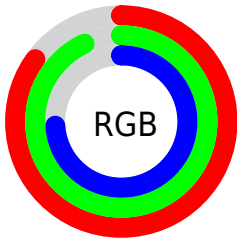
Format	Color
RYB	189, 236, 209
Decimal	14216381
CIELab	90.90, -14.69, 20.61
CIELCh	91, 25.307, 125.484
Yxy	78.2640, 0.3285, 0.3809
Android (android.graphics.Color)	4292406461 (0xFFD8ECBD)
YUV	224.6620, -17.5814, -7.5966
Hunter-Lab	88.4669, -18.6276, 21.9096

Details

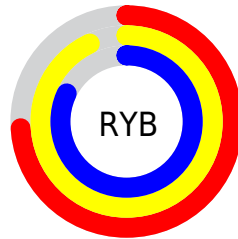
The Yxy color **78.2640, 0.3285, 0.3809** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.0299, 0.2943, 0.2764**, and the grayscale version is **75.1676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **41.9972, 0.3315, 0.3925** is the 20% darker color. If you saturate the color by 10%, you get **75.8383, 0.3361, 0.4094**, and if you desaturate by 10%, it is **80.9572, 0.3206, 0.3539**.

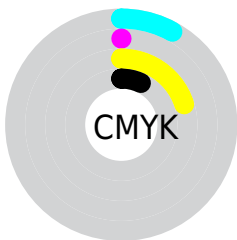
Distribution



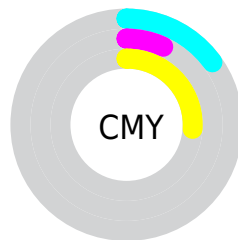
- Red (85%)
- Green (93%)
- Blue (74%)



- Red (74%)
- Yellow (93%)
- Blue (82%)



- Cyan (8%)
- Magenta (0%)
- Yellow (20%)
- Black (7%)





- Cyan (15%)
- Magenta (7%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2640, 0.3285, 0.3809 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 78.2640, 0.3285, 0.3809 by changing the saturation by 10% instead.

 78.2640, 0.3285,
0.3809

 78.2640, 0.3285,
0.3809

489.0629, 0.3216,
0.3566

 58.2909, 0.3300,
0.3865

 130.9222, 0.3262,
0.3724

 42.0425, 0.3317,
0.3935


164.3761, 0.3253,
0.3691

 29.1346, 0.3338,
0.4023


203.0923, 0.3245,
0.3663

 19.1827, 0.3363,
0.4139

247.4553, 0.3238,
0.3639

 11.8023, 0.3394,
0.4298

297.8495, 0.3232,
0.3617

 6.6092, 0.3432,
0.4528


354.6592, 0.3226,


 3.2189, 0.3472,


0.3598


0.4885


418.2689, 0.3221,
0.3581

 1.2471, 0.3873,
0.6127


 0.0997, 0.0000,
1.0000


 78.2640, 0.3285,
0.3809

 78.2640, 0.3285,
0.3809


 75.8383, 0.3361,
0.4094


 80.9572, 0.3206,
0.3539

 73.6601, 0.3429,
0.4386

 83.9168, 0.3126,
0.3288

 71.7224, 0.3485,
0.4674

 86.8396, 0.3078,
0.3104

 70.0138, 0.3525,
0.4947

 88.4763, 0.3136,
0.3107

■ 68.5220, 0.3544,
0.5190

■ 67.2329, 0.3539,
0.5389

■ 66.1300, 0.3510,
0.5535

■ 65.1869, 0.3462,
0.5633

■ 65.1784, 0.3462,
0.5633

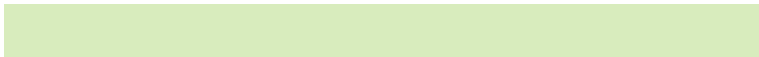
Harmonies

Analogous

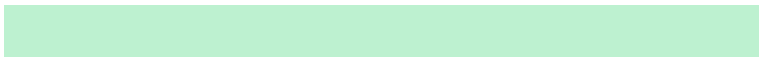
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2640, 0.3549, 0.3793



78.2640, 0.3285, 0.3809



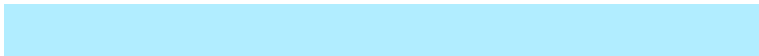
78.2640, 0.2987, 0.3666

Triad

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



78.2640, 0.3285, 0.3809



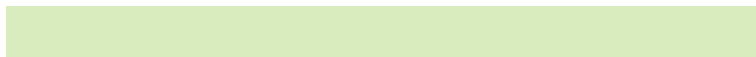
78.2640, 0.2581, 0.2910



78.2640, 0.3527, 0.3163

Complementary

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



78.2640, 0.3285, 0.3809



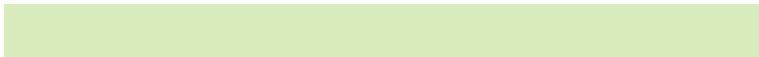
56.0299, 0.2943, 0.2764

Split Complementary

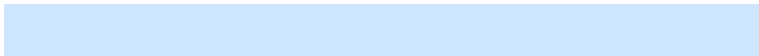
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2640, 0.3249, 0.2953



78.2640, 0.3285, 0.3809



78.2640, 0.2709, 0.2805

Square

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



78.2640, 0.3285, 0.3809



78.2640, 0.2590, 0.3126



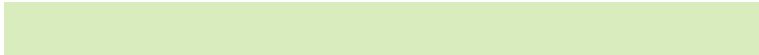
78.2640, 0.2949, 0.2824



78.2640, 0.3696, 0.3410

Rectangle

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



78.2640, 0.3285, 0.3809



78.2640, 0.2810, 0.3501



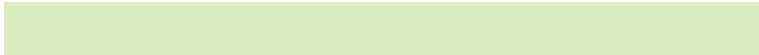
78.2640, 0.2949, 0.2824



78.2640, 0.3442, 0.3087

Sweetspot

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



78.2674, 0.3285, 0.3809



97.8371, 0.3175, 0.3439



66.9176, 0.3481, 0.3504



20.8923, 0.3180, 0.3456



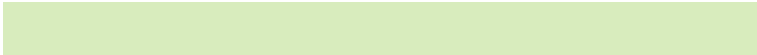
0.0000, 0.0000, 0.0000



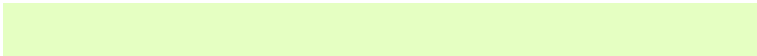
21.4041, 0.3127, 0.3290

Same Dimension

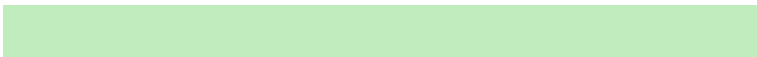
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2674, 0.3285, 0.3809



92.0484, 0.3317, 0.3927



75.0022, 0.3127, 0.3835



17.2886, 0.3202, 0.3527



36.0022, 0.3472, 0.5625



2.8836, 0.3569, 0.5548

Inverse Universe

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



56.0299, 0.2943, 0.2764



60.9139, 0.2897, 0.2642



59.6371, 0.3120, 0.2791



14.8629, 0.3047, 0.3051



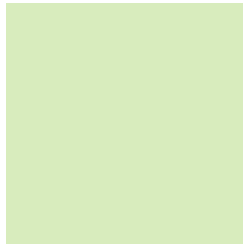
4.9243, 0.1890, 0.0815



0.4423, 0.2045, 0.0900

Previews

White Background



This preview shows how the Yxy color 78.2640, 0.3285, 0.3809 looks on a white background.

Color Contrast Check

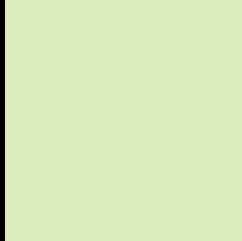
Large Text (above 18pt) WCAG AA × Fail

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 78.2640, 0.3285, 0.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

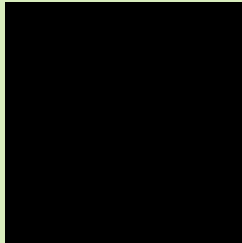
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

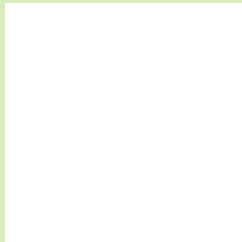
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2640, 0.3285, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 78.2640, 0.3285, 0.3809.

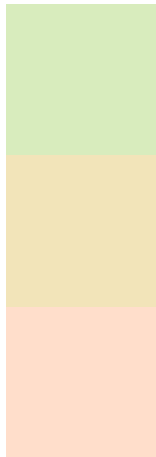


This preview shows how white text looks on a background with the Yxy color 78.2640, 0.3285, 0.3809.

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

78.2640, 0.3285, 0.3809

Protanopia

77.8668, 0.3514, 0.3743

Deuteranopia

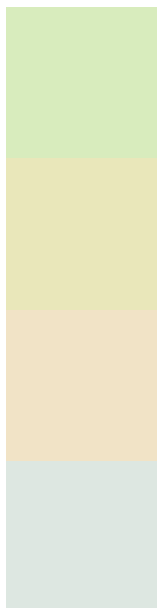
77.8143, 0.3498, 0.3484



Tritanopia

77.9879, 0.2988, 0.3102

Trichromacy



Original Color

78.2640, 0.3285, 0.3809

Protanomaly

78.0206, 0.3435, 0.3772

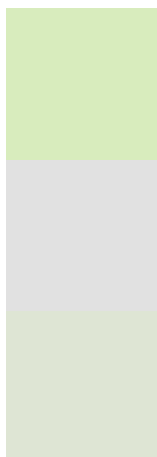
Deuteranomaly

77.7162, 0.3420, 0.3595

Tritanomaly

77.9602, 0.3097, 0.3354

Monochromacy



Original Color

78.2640, 0.3285, 0.3809

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.3217, 0.3188, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2640, 0.3285, 0.3809 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(216, 236, 189)` looks like.

```
.text, #text, p{  
    color:rgb(216, 236, 189)  
}
```

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(216, 236, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 236, 189) }
```

Border

The CSS property to change the border of an element to Yxy 78.2640, 0.3285, 0.3809 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(216, 236, 189) }
```

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

```
.border{ border-color:rgb(216, 236, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 236, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 236, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 236, 189);  
box-shadow:4px 4px 4px 4px rgb(216, 236,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2640, 0.3285, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 236, 189) }
```

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

```
.background{ background-color: rgb(216,  
236, 189) }
```

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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