

Converting Colors

$Yxy(78.4864, 0.3416, 0.4015)$

Have a look what the booklet for
Yxy(78.4864, 0.3416, 0.4015)
contains.

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Color

Yxy(78.5687, 0.3418, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	DBEDAB
RGB	219, 237, 171
RGB Percent	86%, 93%, 67%
CMY	0.1411, 0.0706, 0.3294
CMYK	0.08, 0.00, 0.28, 0.07
HSL	76°, 65%, 80%
HSV	76°, 28%, 93%
XYZ	66.8528, 78.5687, 50.1690
YIQ	224.0940, 10.4580, -24.3420

Conversions

Conversions Part 2

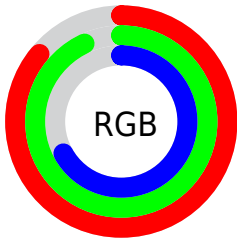
Format	Color
RYB	171, 237, 189
Decimal	14413227
CIELab	91.04, -16.71, 30.08
CIELCh	91, 34.407, 119.059
Yxy	78.5687, 0.3418, 0.4017
Android (android.graphics.Color)	4292603307 (0xFFDBEDAB)
YUV	224.0940, -26.1753, -4.4674
Hunter-Lab	88.6390, -20.4909, 28.4896

Details

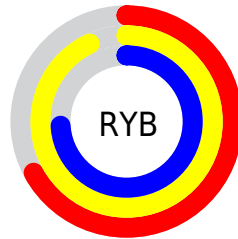
The Yxy color **78.5687, 0.3418, 0.4017** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.0566, 0.2774, 0.2514**, and the grayscale version is **74.8012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **42.1423, 0.3473, 0.4194** is the 20% darker color. If you saturate the color by 10%, you get **76.7657, 0.3516, 0.4291**, and if you desaturate by 10%, it is **80.5795, 0.3314, 0.3746**.

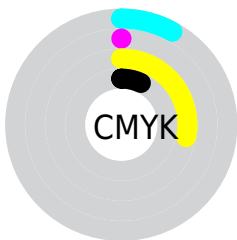
Distribution



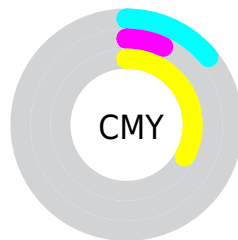
- Red (86%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (74%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)




- Cyan (14%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5687, 0.3418, 0.4017 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 78.5687, 0.3418, 0.4017 by changing the saturation by 10% instead.


 78.5687, 0.3418,
0.4017

 78.5687, 0.3418,
0.4017


490.0961, 0.3292,
0.3677

 58.5413, 0.3444,
0.4095


 131.3515, 0.3376,
0.3898

 42.2440, 0.3475,
0.4192


164.8757, 0.3360,
0.3852

 29.2924, 0.3512,
0.4314


203.6675, 0.3345,
0.3813

 19.3021, 0.3555,
0.4473

248.1115, 0.3332,
0.3778

 11.8888, 0.3606,
0.4687

298.5919, 0.3320,
0.3748

 6.6680, 0.3661,
0.4986

355.4932, 0.3310,

 3.2553, 0.3758,

0.3722

0.5509

419.1998, 0.3301,
0.3698

■ 1.2664, 0.3731,
0.6269

■ 0.1150, 0.0000,
1.0000

■ 78.5687, 0.3418,
0.4017

■ 78.5687, 0.3418,
0.4017

■ 76.7657, 0.3516,
0.4291

■ 80.5795, 0.3314,
0.3746

■ 75.1511, 0.3602,
0.4559


■ 82.7961, 0.3209,
0.3485


■ 73.7183, 0.3673,
0.4808

■ 85.2300, 0.3105,
0.3239

■ 72.4565, 0.3722,
0.5027


■ 87.1732, 0.3069,
0.3113


 71.3531, 0.3746,
0.5205

 88.3538, 0.3111,
0.3116

 70.3938, 0.3744,
0.5336

 89.0485, 0.3135,
0.3117

 69.5587, 0.3719,
0.5420

 69.3890, 0.3712,
0.5435

Harmonies

Analogous

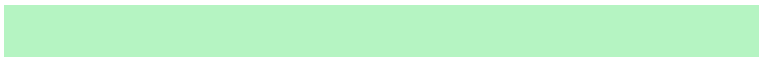
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5687, 0.3755, 0.3936



78.5687, 0.3418, 0.4017



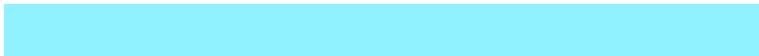
78.5687, 0.3016, 0.3870

Triad

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



78.5687, 0.3418, 0.4017



78.5687, 0.2385, 0.2821



78.5687, 0.3598, 0.3050

Complementary

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



78.5687, 0.3418, 0.4017



46.0566, 0.2774, 0.2514

Split Complementary

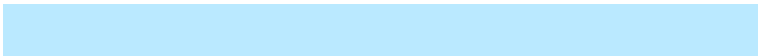
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5687, 0.3200, 0.2795



78.5687, 0.3418, 0.4017



78.5687, 0.2515, 0.2656

Square

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



78.5687, 0.3418, 0.4017



78.5687, 0.2435, 0.3136



78.5687, 0.2805, 0.2652



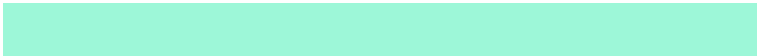
78.5687, 0.3871, 0.3370

Rectangle

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



78.5687, 0.3418, 0.4017



78.5687, 0.2768, 0.3658



78.5687, 0.2805, 0.2652



78.5687, 0.3472, 0.2956

Sweetspot

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



78.5722, 0.3418, 0.4017



97.7163, 0.3211, 0.3489



57.1684, 0.3684, 0.3487



20.8274, 0.3227, 0.3528



0.0000, 0.0000, 0.0000



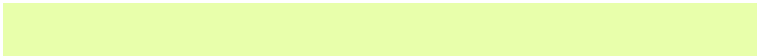
21.4041, 0.3127, 0.3290

Same Dimension

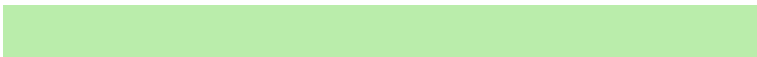
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5722, 0.3418, 0.4017



91.6233, 0.3471, 0.4162



73.9981, 0.3190, 0.4072



17.4087, 0.3226, 0.3526



37.9519, 0.3720, 0.5428



3.0272, 0.3788, 0.5374

Inverse Universe

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



46.0566, 0.2774, 0.2514



47.7285, 0.2692, 0.2346



50.7070, 0.3033, 0.2570



14.7474, 0.3022, 0.3049



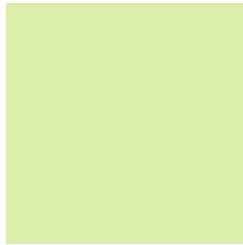
3.9992, 0.1670, 0.0694



0.3603, 0.1813, 0.0772

Previews

White Background



This preview shows how the Yxy color 78.5687, 0.3418, 0.4017 looks on a white background.

Color Contrast Check

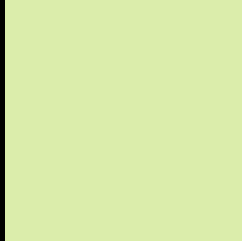
Large Text (above 18pt) WCAG AA × Fail

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 78.5687, 0.3418, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

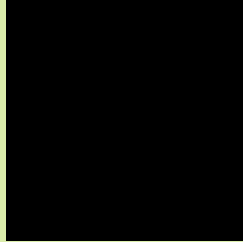
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

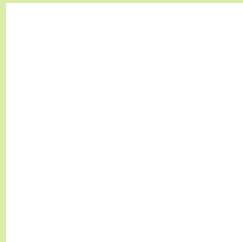
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5687, 0.3418, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 78.5687, 0.3418, 0.4017.

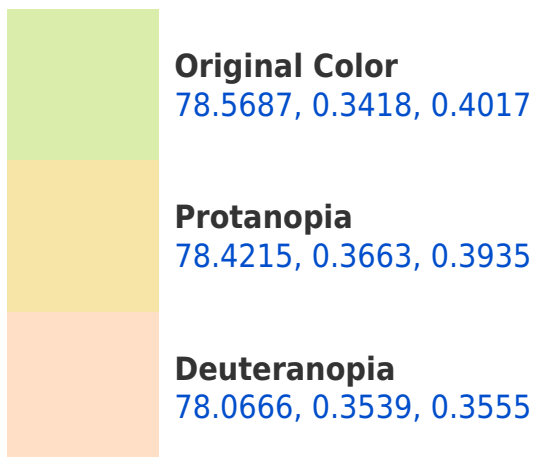


This preview shows how white text looks on a background with the Yxy color 78.5687, 0.3418, 0.4017.

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

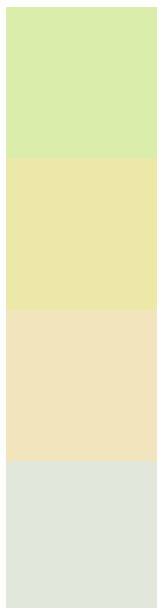




Tritanopia

78.1888, 0.3027, 0.3104

Trichromacy



Original Color

78.5687, 0.3418, 0.4017

Protanomaly

78.3732, 0.3573, 0.3971

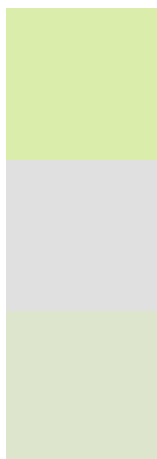
Deuteranomaly

77.9949, 0.3494, 0.3711

Tritanomaly

78.2213, 0.3169, 0.3429

Monochromacy



Original Color

78.5687, 0.3418, 0.4017

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.9760, 0.3233, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5687, 0.3418, 0.4017 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(219, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(219, 237, 171)  
}
```

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(219, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 237, 171) }
```

Border

The CSS property to change the border of an element to Yxy 78.5687, 0.3418, 0.4017 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(219, 237, 171) }
```

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

```
.border{ border-color:rgb(219, 237, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 237, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(219, 237,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5687, 0.3418, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 237, 171) }
```

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

```
.background{ background-color: rgb(219,  
237, 171) }
```

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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