

Converting Colors

Yxy(79.9681, 0.3235, 0.3719)

Have a look what the booklet for
Yxy(79.9681, 0.3235, 0.3719)
contains.

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Color

Yxy(80.1317, 0.3240, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	DAEEC6
RGB	218, 238, 198
RGB Percent	85%, 93%, 78%
CMY	0.1452, 0.0666, 0.2233
CMYK	0.08, 0.00, 0.17, 0.07
HSL	90°, 54%, 86%
HSV	90°, 17%, 93%
XYZ	69.6797, 80.1317, 65.2495
YIQ	227.4600, 0.9200, -16.6800

Conversions

Conversions Part 2

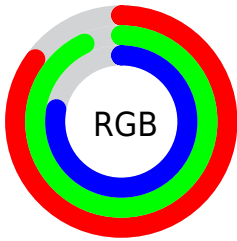
Format	Color
RYB	198, 238, 218
Decimal	14347974
CIELab	91.74, -13.57, 17.15
CIELCh	92, 21.868, 128.356
Yxy	80.1317, 0.3240, 0.3726
Android (android.graphics.Color)	4292538054 (0xFFDAEEC6)
YUV	227.4600, -14.5238, -8.2964
Hunter-Lab	89.5163, -17.7087, 19.4442

Details

The Yxy color **80.1317, 0.3240, 0.3726** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.5027, 0.2997, 0.2855**, and the grayscale version is **77.2772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2560, 0.3265, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **77.3477, 0.3304, 0.4012**, and if you desaturate by 10%, it is **83.2277, 0.3173, 0.3459**.

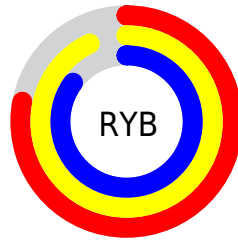
Distribution



Red (85%)

Green (93%)

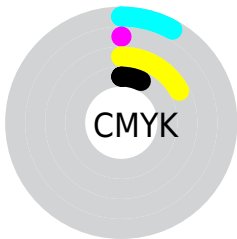
Blue (78%)



Red (78%)

Yellow (93%)

Blue (85%)

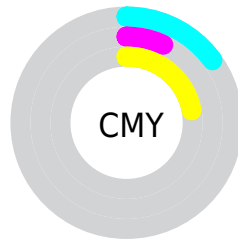


Cyan (8%)

Magenta (0%)

Yellow (17%)

Black (7%)



Cyan (15%)

Magenta (7%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1317, 0.3240, 0.3726 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 80.1317, 0.3240, 0.3726 by changing the saturation by 10% instead.

80.1317, 0.3240,
0.3726

80.1317, 0.3240,
0.3726

495.3766, 0.3191,
0.3523

59.8267, 0.3250,
0.3773

133.5509, 0.3224,
0.3655

43.2790, 0.3263,
0.3830

167.4339, 0.3217,
0.3628

30.1041, 0.3278,
0.3904

206.6117, 0.3211,
0.3604

19.9176, 0.3296,
0.4000

251.4687, 0.3206,
0.3584

12.3352, 0.3318,
0.4131

302.3893, 0.3202,
0.3566

6.9724, 0.3346,
0.4320


359.7579, 0.3198,


3.4448, 0.3378,


0.3550


0.4615

423.9588, 0.3194,
0.3536

 1.3681, 0.3637,
0.5493

 0.1931, 0.0000,
1.0000


 80.1317, 0.3240,
0.3726


 80.1317, 0.3240,
0.3726


 77.3477, 0.3304,
0.4012


 83.2277, 0.3173,
0.3459

 74.8545, 0.3363,
0.4310

 86.6355, 0.3106,
0.3214

 72.6439, 0.3410,
0.4612

 89.4020, 0.3127,
0.3126

 70.7037, 0.3444,
0.4904

 89.6340, 0.3135,
0.3127

■ 69.0201, 0.3458,
0.5171

■ 67.5781, 0.3450,
0.5398

■ 66.3605, 0.3421,
0.5573

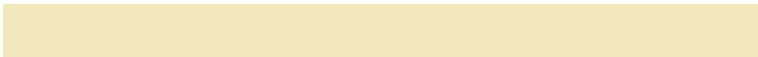
■ 65.3461, 0.3371,
0.5689

■ 65.0536, 0.3353,
0.5719

Harmonies

Analogous

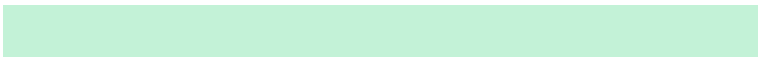
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1317, 0.3472, 0.3728



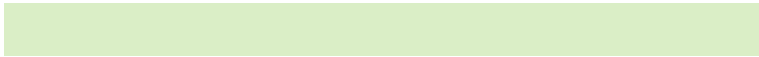
80.1317, 0.3240, 0.3726



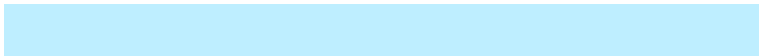
80.1317, 0.2985, 0.3592

Triad

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



80.1317, 0.3240, 0.3726



80.1317, 0.2661, 0.2951



80.1317, 0.3488, 0.3202

Complementary

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



80.1317, 0.3240, 0.3726



61.5027, 0.2997, 0.2855

Split Complementary

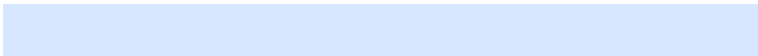
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1317, 0.3258, 0.3014



80.1317, 0.3240, 0.3726



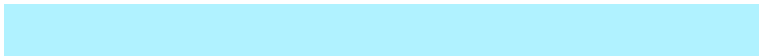
80.1317, 0.2783, 0.2869

Square

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



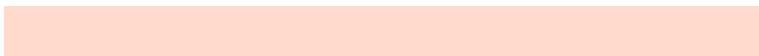
80.1317, 0.3240, 0.3726



80.1317, 0.2658, 0.3131



80.1317, 0.2999, 0.2894



80.1317, 0.3621, 0.3417

Rectangle

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



80.1317, 0.3240, 0.3726



80.1317, 0.2836, 0.3448



80.1317, 0.2999, 0.2894



80.1317, 0.3419, 0.3134

Sweetspot

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



80.1352, 0.3240, 0.3726



98.0136, 0.3161, 0.3414



72.4161, 0.3413, 0.3504



20.9208, 0.3166, 0.3432



0.0000, 0.0000, 0.0000



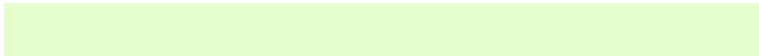
21.4041, 0.3127, 0.3290

Same Dimension

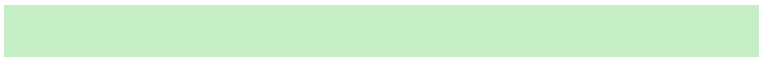
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1352, 0.3240, 0.3726



92.6087, 0.3262, 0.3818



77.2461, 0.3106, 0.3744



18.0435, 0.3191, 0.3529



36.3674, 0.3365, 0.5711



3.0846, 0.3464, 0.5632

Inverse Universe

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



61.5027, 0.2997, 0.2855



67.1574, 0.2968, 0.2763



64.7631, 0.3147, 0.2874



15.6180, 0.3058, 0.3051



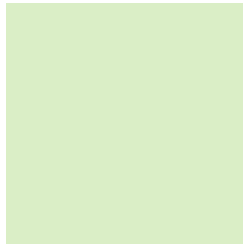
5.7217, 0.2026, 0.0890



0.5352, 0.2168, 0.0968

Previews

White Background



This preview shows how the Yxy color 80.1317, 0.3240, 0.3726 looks on a white background.

Color Contrast Check

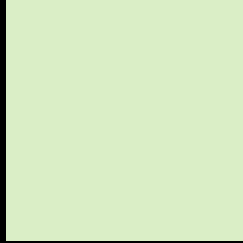
Large Text (above 18pt) WCAG AA × Fail

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 80.1317, 0.3240, 0.3726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

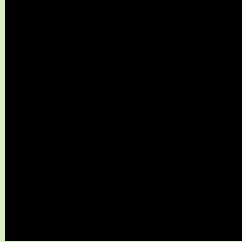
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

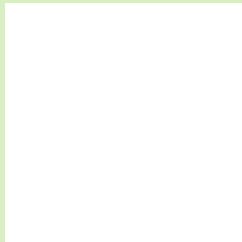
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1317, 0.3240, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 80.1317, 0.3240, 0.3726.

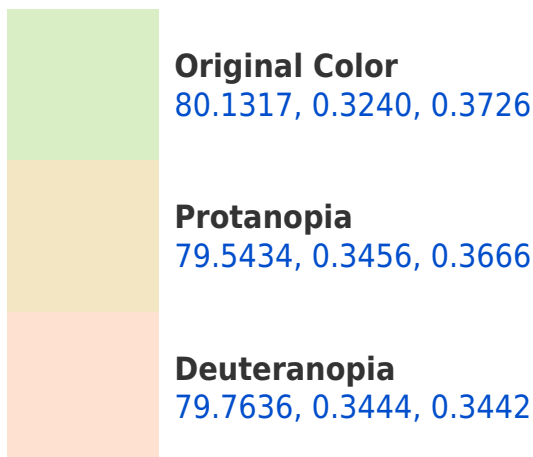


This preview shows how white text looks on a background with the Yxy color 80.1317, 0.3240, 0.3726.

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

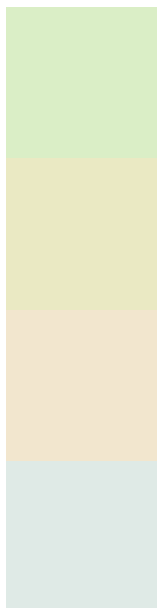




Tritanopia

80.1601, 0.2983, 0.3104

Trichromacy



Original Color

80.1317, 0.3240, 0.3726

Protanomaly

79.7104, 0.3379, 0.3694

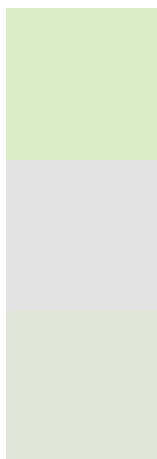
Deuteranomaly

79.9271, 0.3368, 0.3540

Tritanomaly

80.2468, 0.3078, 0.3332

Monochromacy



Original Color

80.1317, 0.3240, 0.3726

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.9570, 0.3174, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1317, 0.3240, 0.3726 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, 238, 198)` looks like.

```
.text, #text, p{  
    color:rgb(218, 238, 198)  
}
```

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, 238, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 238, 198) }
```

Border

The CSS property to change the border of an element to Yxy 80.1317, 0.3240, 0.3726 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, 238, 198) }
```

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

```
.border{ border-color:rgb(218, 238, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 238, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 238, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 238, 198);  
box-shadow:4px 4px 4px 4px rgb(218, 238,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1317, 0.3240, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 238, 198) }
```

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

```
.background{ background-color: rgb(218,  
238, 198) }
```

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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