

Converting Colors

$Yxy(80.5949, 0.3495, 0.4195)$

Have a look what the booklet for
Yxy(80.5949, 0.3495, 0.4195)
contains.

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Color

Yxy(80.5949, 0.3495, 0.4195)

Conversions

Conversions Part 1

Format	Color
Hex	DCF19E
RGB	220, 241, 158
RGB Percent	86%, 95%, 62%
CMY	0.1372, 0.0549, 0.3803
CMYK	0.09, 0.00, 0.34, 0.05
HSL	75°, 75%, 78%
HSV	75°, 34%, 95%
XYZ	67.1464, 80.5949, 44.3800
YIQ	225.2590, 14.1270, -30.2650

Conversions

Conversions Part 2

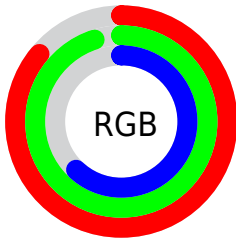
Format	Color
RYB	158, 241, 179
Decimal	14479774
CIELab	91.95, -19.99, 37.83
CIELCh	92, 42.793, 117.855
Yxy	80.5949, 0.3495, 0.4195
Android (android.graphics.Color)	4292669854 (0xFFDCF19E)
YUV	225.2590, -33.1587, -4.6121
Hunter-Lab	89.7747, -23.5977, 33.5323

Details

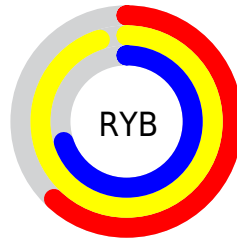
The Yxy color **80.5949, 0.3495, 0.4195** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.4038, 0.2659, 0.2300**, and the grayscale version is **75.7317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **43.6104, 0.3566, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **78.9138, 0.3590, 0.4464**, and if you desaturate by 10%, it is **82.4806, 0.3391, 0.3922**.

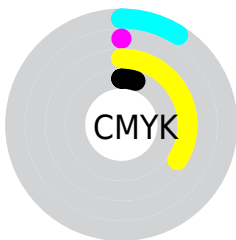
Distribution



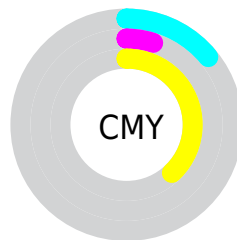
- Red (86%)
- Green (95%)
- Blue (62%)



- Red (62%)
- Yellow (95%)
- Blue (70%)



- Cyan (9%)
- Magenta (0%)
- Yellow (34%)
- Black (5%)




- Cyan (14%)
- Magenta (5%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5949, 0.3495, 0.4195 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 80.5949, 0.3495, 0.4195 by changing the saturation by 10% instead.


 80.5949, 0.3495,
0.4195


 80.5949, 0.3495,
0.4195


496.9354, 0.3340,
0.3773

 60.2080, 0.3526,
0.4291


 134.2018, 0.3445,
0.4049

 43.5863, 0.3562,
0.4409


 168.1906, 0.3424,
0.3992

 30.3454, 0.3603,
0.4557


207.4822, 0.3406,
0.3942

 20.1009, 0.3649,
0.4747

252.4609, 0.3389,
0.3900

 12.4684, 0.3698,
0.4997

303.5112, 0.3375,
0.3862

 7.0635, 0.3737,
0.5336

361.0175, 0.3362,

 3.5019, 0.3912,

0.3829

0.6086

425.3641, 0.3350,
0.3799

■ 1.3990, 0.3548,
0.6452

■ 0.2160, 0.0000,
1.0000

■ 80.5949, 0.3495,
0.4195

■ 80.5949, 0.3495,
0.4195

■ 78.9138, 0.3590,
0.4464

■ 82.4806, 0.3391,
0.3922

■ 77.4166, 0.3670,
0.4717


■ 84.5694, 0.3283,
0.3655


■ 76.0961, 0.3730,
0.4944


■ 86.8732, 0.3175,
0.3398


■ 74.9399, 0.3766,
0.5133

■ 89.4001, 0.3069,
0.3158

 73.9339, 0.3776,
0.5276

 90.5478, 0.3104,
0.3154

 73.0609, 0.3761,
0.5371

 91.3915, 0.3133,
0.3156

 72.6176, 0.3745,
0.5408

Harmonies

Analogous

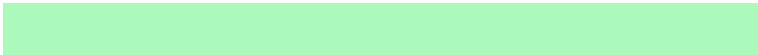
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5949, 0.3907, 0.4069



80.5949, 0.3495, 0.4195



80.5949, 0.3003, 0.4030

Triad

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



80.5949, 0.3495, 0.4195



80.5949, 0.2225, 0.2722



80.5949, 0.3689, 0.2981

Complementary

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



80.5949, 0.3495, 0.4195



40.4038, 0.2659, 0.2300

Split Complementary

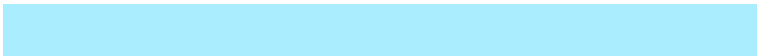
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5949, 0.3191, 0.2681



80.5949, 0.3495, 0.4195



80.5949, 0.2372, 0.2522

Square

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



80.5949, 0.3495, 0.4195



80.5949, 0.2292, 0.3110



80.5949, 0.2713, 0.2516



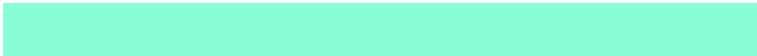
80.5949, 0.4038, 0.3360

Rectangle

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



80.5949, 0.3495, 0.4195



80.5949, 0.2699, 0.3767



80.5949, 0.2713, 0.2516



80.5949, 0.3531, 0.2869

Sweetspot

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



80.5985, 0.3495, 0.4195



97.2619, 0.3235, 0.3540



53.3218, 0.3865, 0.3521



20.7400, 0.3251, 0.3577



0.0000, 0.0000, 0.0000



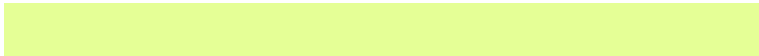
21.4041, 0.3127, 0.3290

Same Dimension

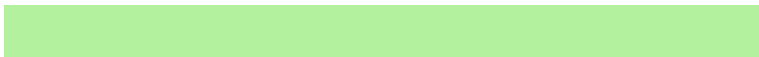
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5985, 0.3495, 0.4195



90.3201, 0.3560, 0.4376



74.9385, 0.3210, 0.4283



18.2460, 0.3229, 0.3526



39.4457, 0.3752, 0.5403



3.3283, 0.3813, 0.5355

Inverse Universe

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



40.4038, 0.2659, 0.2300



38.5124, 0.2545, 0.2079



46.0731, 0.2992, 0.2389



15.4220, 0.3019, 0.3049



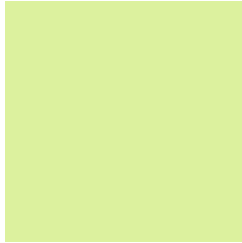
4.0354, 0.1649, 0.0682



0.3814, 0.1779, 0.0753

Previews

White Background



This preview shows how the Yxy color 80.5949, 0.3495, 0.4195 looks on a white background.

Color Contrast Check

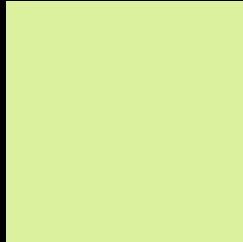
Large Text (above 18pt) WCAG AA × Fail

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 80.5949, 0.3495, 0.4195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

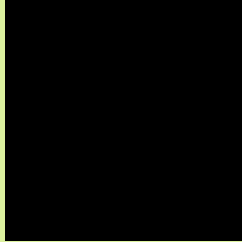
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5949, 0.3495, 0.4195

Background



This preview shows how black text looks on a background with the Yxy color 80.5949, 0.3495, 0.4195.



This preview shows how white text looks on a background with the Yxy color 80.5949, 0.3495, 0.4195.

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

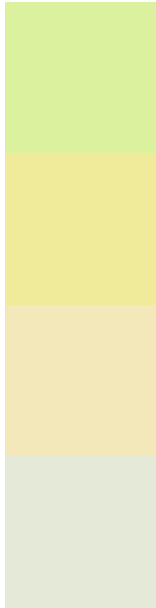




Tritanopia

80.5267, 0.3029, 0.3106

Trichromacy



Original Color

80.5949, 0.3495, 0.4195

Protanomaly

80.3085, 0.3677, 0.4127

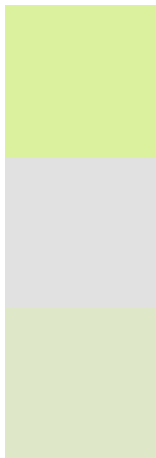
Deuteranomaly

80.0933, 0.3505, 0.3782

Tritanomaly

80.2459, 0.3206, 0.3492

Monochromacy



Original Color

80.5949, 0.3495, 0.4195

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

77.0568, 0.3264, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5949, 0.3495, 0.4195 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(220, 241, 158)` looks like.

```
.text, #text, p{  
    color:rgb(220, 241, 158)  
}
```

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(220, 241, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 241, 158) }
```

Border

The CSS property to change the border of an element to Yxy 80.5949, 0.3495, 0.4195 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(220, 241, 158) }
```

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

```
.border{ border-color:rgb(220, 241, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 241, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 241, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 241, 158); box-shadow:4px 4px 4px 4px rgb(220, 241, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5949, 0.3495, 0.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 241, 158) }
```

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

```
.background{ background-color: rgb(220,  
241, 158) }
```

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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