

Converting Colors

$Yxy(78.6071, 0.3119, 0.3474)$

Have a look what the booklet for
Yxy(78.6071, 0.3119, 0.3474)
contains.

Yxy(78.6071, 0.3119, 0.3474)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.6071, 0.3119, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	D9EAD9
RGB	217, 234, 217
RGB Percent	85%, 92%, 85%
CMY	0.1488, 0.0824, 0.1491
CMYK	0.07, 0.00, 0.07, 0.08
HSL	120°, 29%, 88%
HSV	120°, 7%, 92%
XYZ	70.5744, 78.6071, 77.0911
YIQ	226.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

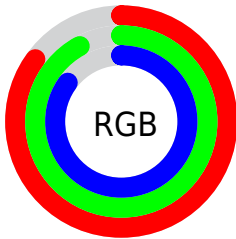
Format	Color
R_{YB}	217, 234, 234
Decimal	14281433
CIE _{Lab}	91.06, -8.68, 6.32
CIE _{LCh}	91, 10.742, 143.939
Yxy	78.6071, 0.3119, 0.3474
Android (android.graphics.Color)	4292471513 (0xFFD9EAD9)
YUV	226.9790, -4.9196, -8.7516
Hunter-Lab	88.6606, -13.0690, 10.5094

Details

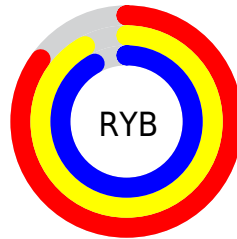
The Yxy color **78.6071, 0.3119, 0.3474** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.0397, 0.3135, 0.3113**, and the grayscale version is **76.8469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1308, 0.3117, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **74.1543, 0.3106, 0.3758**, and if you desaturate by 10%, it is **83.7435, 0.3130, 0.3225**.

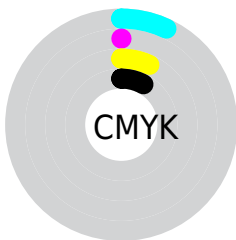
Distribution



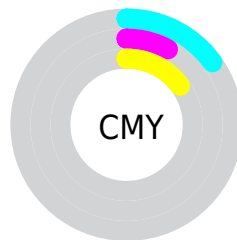
- Red (85%)
- Green (92%)
- Blue (85%)



- Red (85%)
- Yellow (92%)
- Blue (92%)



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



- Cyan (15%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6071, 0.3119, 0.3474 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 78.6071, 0.3119, 0.3474 by changing the saturation by 10% instead.

■ 78.6071, 0.3119,
0.3474

■ 78.6071, 0.3119,
0.3474

490.2262, 0.3123,
0.3389

■ 58.5728, 0.3118,
0.3493

131.4056, 0.3121,
0.3444

■ 42.2693, 0.3116,
0.3518

164.9386, 0.3121,
0.3433

■ 29.3123, 0.3115,
0.3548

203.7400, 0.3122,
0.3423

■ 19.3172, 0.3112,
0.3588

248.1941, 0.3122,
0.3415

■ 11.8997, 0.3108,
0.3643

298.6854, 0.3122,
0.3407

■ 6.6754, 0.3102,
0.3721

355.5982, 0.3123,

■ 3.2599, 0.3091,

0.3400

0.3846

419.3170, 0.3123,
0.3394

■ 1.2689, 0.3069,
0.4073

■ 0.1169, 0.0000,
1.0000

■ 78.6071, 0.3119,
0.3474

■ 78.6071, 0.3119,
0.3474

■ 74.1543, 0.3106,
0.3758

■ 83.7435, 0.3130,
0.3225

■ 70.3467, 0.3092,
0.4076

■ 87.3202, 0.3137,
0.3088

■ 67.1575, 0.3076,
0.4421

■ 64.5541, 0.3060,
0.4781

■ 62.5009, 0.3043,
0.5135

■ 60.9584, 0.3028,
0.5457

■ 59.8817, 0.3015,
0.5716

■ 59.2186, 0.3006,
0.5894

■ 58.9015, 0.3001,
0.5983

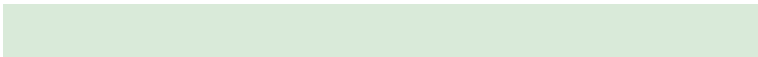
Harmonies

Analogous

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



78.6071, 0.3244, 0.3511



78.6071, 0.3119, 0.3474



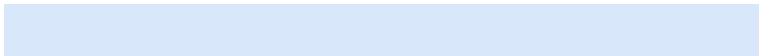
78.6071, 0.2998, 0.3384

Triad

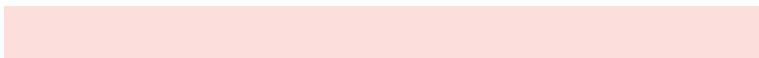
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6071, 0.3119, 0.3474



78.6071, 0.2919, 0.3094



78.6071, 0.3346, 0.3305

Complementary

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



78.6071, 0.3119, 0.3474



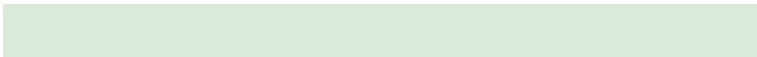
73.0397, 0.3135, 0.3113

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.



78.6071, 0.3256, 0.3198



78.6071, 0.3119, 0.3474



78.6071, 0.3009, 0.3077

Square

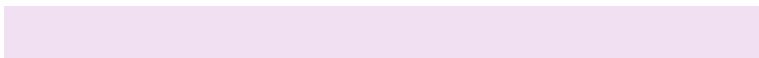
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



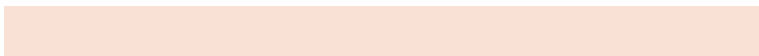
78.6071, 0.3119, 0.3474



78.6071, 0.2884, 0.3163



78.6071, 0.3132, 0.3115



78.6071, 0.3376, 0.3410

Rectangle

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



78.6071, 0.3119, 0.3474



78.6071, 0.2936, 0.3308



78.6071, 0.3132, 0.3115



78.6071, 0.3321, 0.3268

Sweetspot

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



78.6105, 0.3119, 0.3474



98.7253, 0.3125, 0.3339



81.1790, 0.3235, 0.3465



21.1446, 0.3125, 0.3337



0.0000, 0.0000, 0.0000



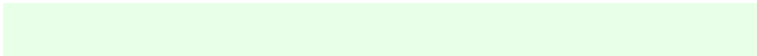
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6105, 0.3119, 0.3474



94.5291, 0.3117, 0.3522



79.0380, 0.3068, 0.3384



16.8651, 0.3116, 0.3533



33.0729, 0.3001, 0.5999



2.5981, 0.3003, 0.5997

Inverse Universe

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



73.0397, 0.3135, 0.3113



86.2034, 0.3137, 0.3068



72.5902, 0.3191, 0.3198



15.3104, 0.3137, 0.3058



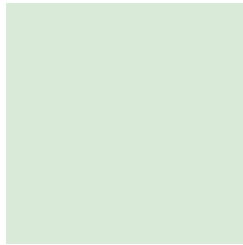
13.0779, 0.3199, 0.1536



1.0280, 0.3200, 0.1537

Previews

White Background



This preview shows how the Yxy color 78.6071, 0.3119, 0.3474 looks on a white background.

Color Contrast Check

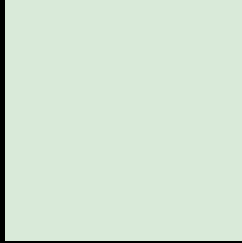
Large Text (above 18pt) WCAG AA × Fail

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 78.6071, 0.3119, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

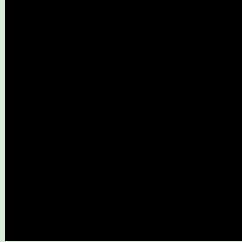
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

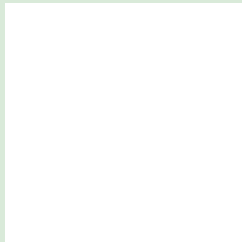
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6071, 0.3119, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 78.6071, 0.3119, 0.3474.

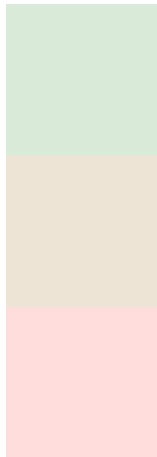


This preview shows how white text looks on a background with the Yxy color 78.6071, 0.3119, 0.3474.

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

78.6071, 0.3119, 0.3474

Protanopia

78.3464, 0.3282, 0.3437

Deuteranopia

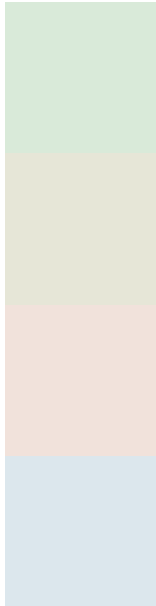
78.1402, 0.3380, 0.3301



Tritanopia

78.3455, 0.2963, 0.3092

Trichromacy



Original Color

78.6071, 0.3119, 0.3474

Protanomaly

78.3229, 0.3224, 0.3449

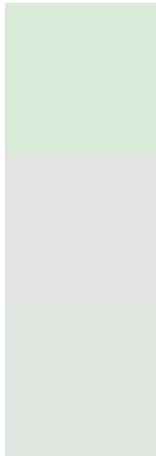
Deuteranomaly

78.2080, 0.3279, 0.3363

Tritanomaly

78.4819, 0.3016, 0.3226

Monochromacy



Original Color

78.6071, 0.3119, 0.3474

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.6093, 0.3124, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6071, 0.3119, 0.3474 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(217, 234, 217)` looks like.

```
.text, #text, p{  
    color:rgb(217, 234, 217)  
}
```

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(217, 234, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 234, 217) }
```

Border

The CSS property to change the border of an element to Yxy 78.6071, 0.3119, 0.3474 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(217, 234, 217) }
```

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

```
.border{ border-color:rgb(217, 234, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 234, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 234, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 234, 217);  
box-shadow:4px 4px 4px 4px rgb(217, 234,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6071, 0.3119, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 234, 217) }
```

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

```
.background{ background-color: rgb(217,  
234, 217) }
```

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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