

Converting Colors

$Yxy(78.3403, 0.3081, 0.3376)$

Have a look what the booklet for
Yxy(78.3403, 0.3081, 0.3376)
contains.

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Color

Yxy(78.5651, 0.3082, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	DAE9E0
RGB	218, 233, 224
RGB Percent	85%, 91%, 88%
CMY	0.1454, 0.0862, 0.1216
CMYK	0.06, 0.00, 0.04, 0.09
HSL	144°, 26%, 88%
HSV	144°, 6%, 91%
XYZ	71.4903, 78.5651, 81.9053
YIQ	227.4890, -6.0510, -5.9790

Conversions

Conversions Part 2

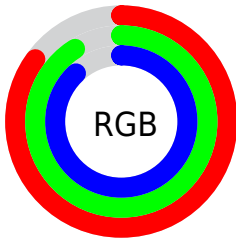
Format	Color
R _Y B	218, 229, 233
Decimal	14346720
CIE Lab	91.04, -6.65, 2.65
CIE LCh	91, 7.162, 158.244
Yxy	78.5651, 0.3082, 0.3387
Android (android.graphics.Color)	4292536800 (0xFFDAE9E0)
YUV	227.4890, -1.7201, -8.3219
Hunter-Lab	88.6370, -11.1452, 7.2587

Details

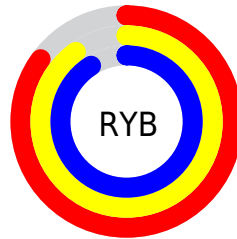
The Yxy color **78.5651, 0.3082, 0.3387** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.9818, 0.3175, 0.3195**, and the grayscale version is **77.2009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0954, 0.3070, 0.3402** is the 20% darker color. If you saturate the color by 10%, you get **74.4996, 0.3013, 0.3552**, and if you desaturate by 10%, it is **83.2045, 0.3152, 0.3240**.

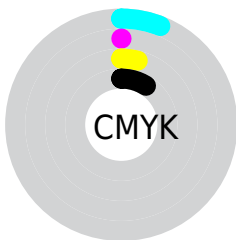
Distribution



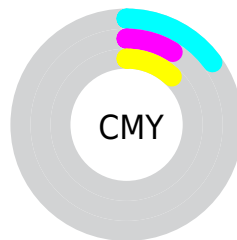
- Red (85%)
- Green (91%)
- Blue (88%)



- Red (85%)
- Yellow (90%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5651, 0.3082, 0.3387 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 78.5651, 0.3082, 0.3387 by changing the saturation by 10% instead.

■ 78.5651, 0.3082,
0.3387

■ 78.5651, 0.3082,
0.3387

490.0839, 0.3103,
0.3342

■ 58.5383, 0.3077,
0.3397

131.3464, 0.3089,
0.3372

■ 42.2416, 0.3071,
0.3410

164.8698, 0.3092,
0.3366

■ 29.2905, 0.3064,
0.3425

203.6607, 0.3094,
0.3360

■ 19.3007, 0.3054,
0.3446

248.1037, 0.3097,
0.3356

■ 11.8877, 0.3041,
0.3474

298.5831, 0.3098,
0.3352

■ 6.6673, 0.3022,
0.3515

355.4834, 0.3100,

■ 3.2549, 0.2993,

0.3348

0.3578

419.1888, 0.3102,
0.3345

■ 1.2662, 0.2940,
0.3690

■ 0.1148, 0.0000,
1.0000

■ 78.5651, 0.3082,
0.3387

■ 78.5651, 0.3082,
0.3387

■ 74.4996, 0.3013,
0.3552

■ 83.2045, 0.3152,
0.3240

■ 70.9754, 0.2947,
0.3736

■ 86.5744, 0.3156,
0.3107

■ 67.9721, 0.2886,
0.3938

■ 86.7720, 0.3137,
0.3078

■ 65.4637, 0.2834,
0.4156

■ 63.4223, 0.2795,
0.4386

■ 61.8167, 0.2770,
0.4622

■ 60.6121, 0.2764,
0.4856

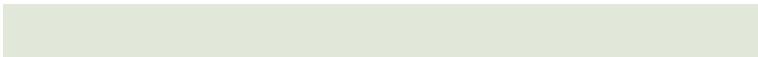
■ 59.7679, 0.2776,
0.5079

■ 59.2332, 0.2807,
0.5283

Harmonies

Analogous

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



78.5651, 0.3167, 0.3430



78.5651, 0.3082, 0.3387



78.5651, 0.3010, 0.3317

Triad

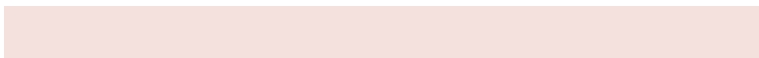
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5651, 0.3082, 0.3387



78.5651, 0.3013, 0.3149



78.5651, 0.3288, 0.3336

Complementary

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



78.5651, 0.3082, 0.3387



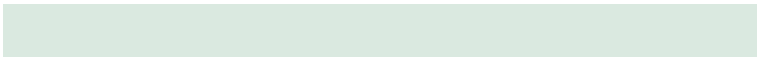
72.9818, 0.3175, 0.3195

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.



78.5651, 0.3245, 0.3262



78.5651, 0.3082, 0.3387



78.5651, 0.3086, 0.3155

Square

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



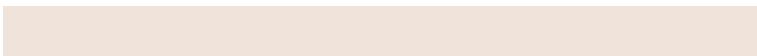
78.5651, 0.3082, 0.3387



78.5651, 0.2970, 0.3180



78.5651, 0.3171, 0.3196



78.5651, 0.3286, 0.3399

Rectangle

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



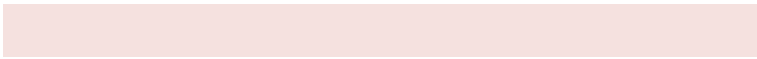
78.5651, 0.3082, 0.3387



78.5651, 0.2979, 0.3266



78.5651, 0.3171, 0.3196



78.5651, 0.3278, 0.3311

Sweetspot

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



78.5684, 0.3082, 0.3387



98.8503, 0.3113, 0.3319



79.6797, 0.3181, 0.3450



21.1701, 0.3114, 0.3318



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

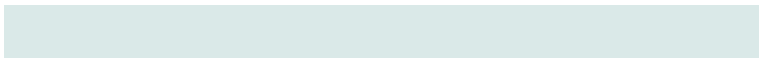
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5684, 0.3082, 0.3387



95.5718, 0.3071, 0.3412



78.9862, 0.3036, 0.3306



16.9622, 0.3061, 0.3435



33.5436, 0.2811, 0.5321



2.6525, 0.2734, 0.5044

Inverse Universe

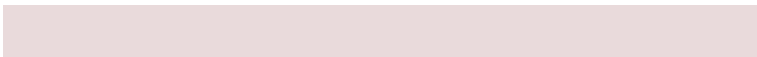
The Inverse Universe completely reimagines the original color for something new.



72.9818, 0.3175, 0.3195



87.1523, 0.3188, 0.3171



72.5750, 0.3226, 0.3274



15.2056, 0.3199, 0.3150



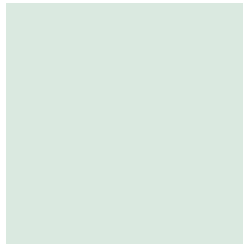
10.9226, 0.4542, 0.2275



0.8766, 0.4307, 0.2146

Previews

White Background



This preview shows how the Yxy color 78.5651, 0.3082, 0.3387 looks on a white background.

Color Contrast Check

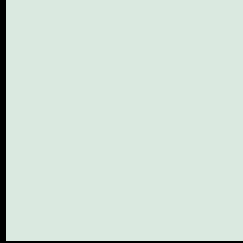
Large Text (above 18pt) WCAG AA × Fail

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 78.5651, 0.3082, 0.3387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

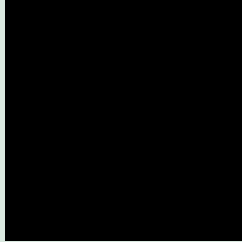
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

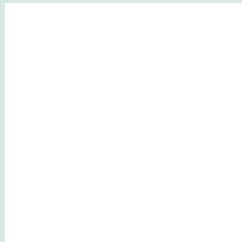
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5651, 0.3082, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 78.5651, 0.3082, 0.3387.

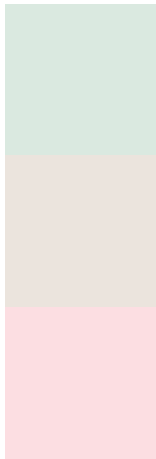


This preview shows how white text looks on a background with the Yxy color 78.5651, 0.3082, 0.3387.

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

78.5651, 0.3082, 0.3387

Protanopia

78.3694, 0.3221, 0.3363

Deuteranopia

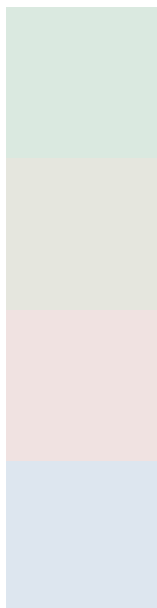
78.4290, 0.3315, 0.3250



Tritanopia

78.3455, 0.2963, 0.3092

Trichromacy



Original Color

78.5651, 0.3082, 0.3387

Protanomaly

78.5256, 0.3171, 0.3375

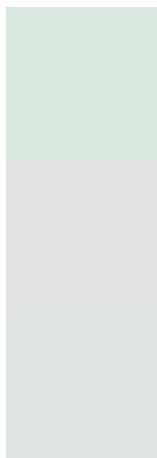
Deuteranomaly

78.3542, 0.3232, 0.3301

Tritanomaly

78.1978, 0.3011, 0.3195

Monochromacy



Original Color

78.5651, 0.3082, 0.3387

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.3769, 0.3112, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5651, 0.3082, 0.3387 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, 233, 224)` looks like.

```
.text, #text, p{  
    color:rgb(218, 233, 224)  
}
```

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, 233, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 233, 224) }
```

Border

The CSS property to change the border of an element to Yxy 78.5651, 0.3082, 0.3387 is called "border". The border property can be set on classes, ids or directly on the HTML element.

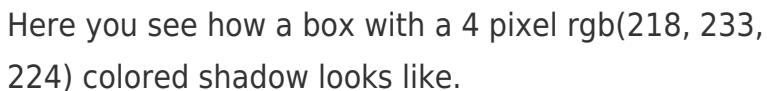
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 233, 224) }
```

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

```
.border{ border-color:rgb(218, 233, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 233, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 233, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 233, 224); box-shadow:4px 4px 4px 4px rgb(218, 233, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5651, 0.3082, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 233, 224) }
```

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

```
.background{ background-color: rgb(218,  
233, 224) }
```

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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