

Converting Colors

$Yxy(81.7869, 0.3128, 0.3461)$

Have a look what the booklet for
Yxy(81.7869, 0.3128, 0.3461)
contains.

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Color

Yxy(82.0575, 0.3132, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	DFEEDD
RGB	223, 238, 221
RGB Percent	87%, 93%, 87%
CMY	0.1254, 0.0667, 0.1333
CMYK	0.06, 0.00, 0.07, 0.07
HSL	113°, 33%, 90%
HSV	113°, 7%, 93%
XYZ	74.0646, 82.0575, 80.3549
YIQ	231.5770, -3.4830, -8.4670

Conversions

Conversions Part 2

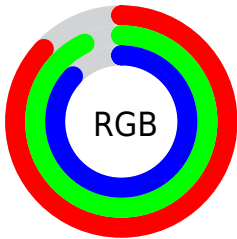
Format	Color
RYB	221, 238, 236
Decimal	14675677
CIELab	92.60, -8.00, 6.50
CIELCh	93, 10.307, 140.870
Yxy	82.0575, 0.3132, 0.3470
Android (android.graphics.Color)	4292865757 (0xFFDFEEDD)
YUV	231.5770, -5.2145, -7.5220
Hunter-Lab	90.5856, -12.5797, 10.8161

Details

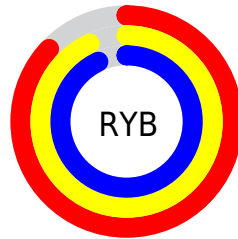
The Yxy color **82.0575, 0.3132, 0.3470** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.7283, 0.3121, 0.3115**, and the grayscale version is **80.4107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5339, 0.3134, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **77.7504, 0.3137, 0.3750**, and if you desaturate by 10%, it is **86.9648, 0.3125, 0.3222**.

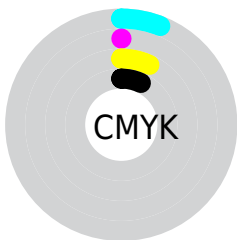
Distribution



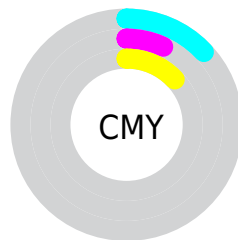
- Red (87%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0575, 0.3132, 0.3470 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 82.0575, 0.3132, 0.3470 by changing the saturation by 10% instead.

82.0575, 0.3132,
0.3470

82.0575, 0.3132,
0.3470

501.8400, 0.3130,
0.3387

61.4129, 0.3132,
0.3489

136.2546, 0.3132,
0.3441

44.5585, 0.3133,
0.3512

170.5760, 0.3131,
0.3430

31.1098, 0.3133,
0.3541

210.2251, 0.3131,
0.3421

20.6825, 0.3133,
0.3579

255.5862, 0.3131,
0.3412

12.8921, 0.3133,
0.3630

307.0439, 0.3131,
0.3405

7.3543, 0.3132,
0.3703

364.9825, 0.3131,

3.6846, 0.3130,

0.3399

0.3817

429.7864, 0.3130,
0.3393

■ 1.4988, 0.3122,
0.4017

■ 0.2879, 0.2141,
0.7859

■ 82.0575, 0.3132,
0.3470

■ 82.0575, 0.3132,
0.3470

■ 77.7504, 0.3137,
0.3750

■ 86.9648, 0.3125,
0.3222

■ 74.0103, 0.3140,
0.4061

■ 89.6275, 0.3135,
0.3127

■ 70.8168, 0.3139,
0.4397

■ 68.1440, 0.3133,
0.4746

■ 65.9643, 0.3122,
0.5090

■ 64.2470, 0.3104,
0.5406

■ 62.9584, 0.3082,
0.5668

■ 62.0598, 0.3056,
0.5855

■ 61.5046, 0.3031,
0.5960

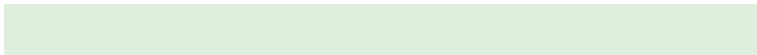
Harmonies

Analogous

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



82.0575, 0.3248, 0.3499



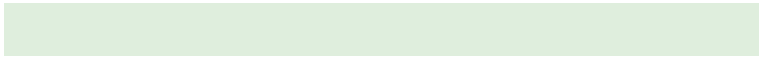
82.0575, 0.3132, 0.3470



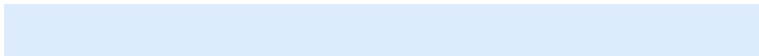
82.0575, 0.3016, 0.3389

Triad

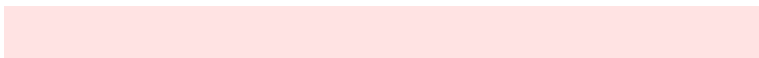
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0575, 0.3132, 0.3470



82.0575, 0.2924, 0.3109



82.0575, 0.3327, 0.3293

Complementary

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



82.0575, 0.3132, 0.3470



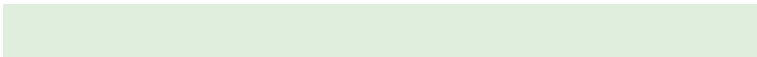
75.7283, 0.3121, 0.3115

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.



82.0575, 0.3238, 0.3193



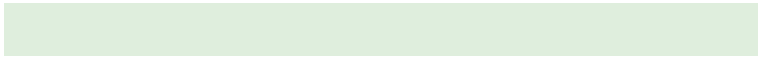
82.0575, 0.3132, 0.3470



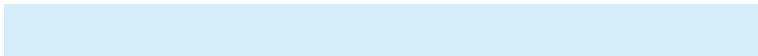
82.0575, 0.3004, 0.3088

Square

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



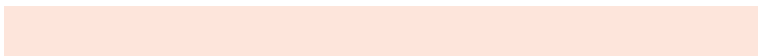
82.0575, 0.3132, 0.3470



82.0575, 0.2897, 0.3179



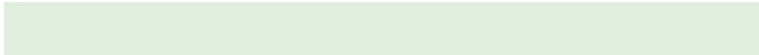
82.0575, 0.3119, 0.3119



82.0575, 0.3363, 0.3395

Rectangle

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



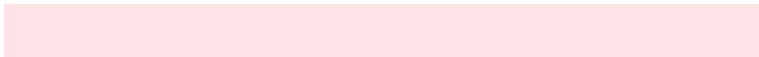
82.0575, 0.3132, 0.3470



82.0575, 0.2954, 0.3319



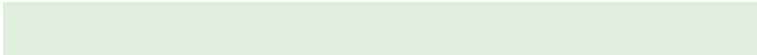
82.0575, 0.3119, 0.3119



82.0575, 0.3303, 0.3259

Sweetspot

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



82.0610, 0.3132, 0.3470



98.8328, 0.3129, 0.3339



83.2359, 0.3235, 0.3442



21.1665, 0.3129, 0.3337



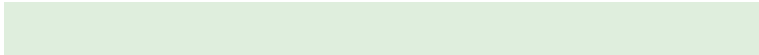
0.0000, 0.0000, 0.0000



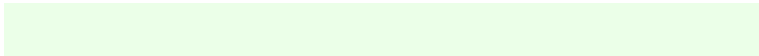
21.4041, 0.3127, 0.3290

Same Dimension

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



82.0610, 0.3132, 0.3470



94.9704, 0.3133, 0.3521



82.0825, 0.3081, 0.3404



17.7457, 0.3133, 0.3533



34.2820, 0.3030, 0.5976



2.8808, 0.3091, 0.5928

Inverse Universe

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



75.7283, 0.3121, 0.3115



85.7110, 0.3119, 0.3067



75.7137, 0.3176, 0.3179



15.9312, 0.3119, 0.3056



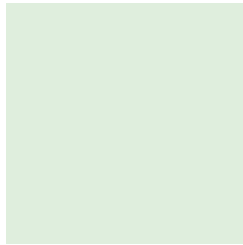
11.1169, 0.2913, 0.1378



0.9514, 0.2955, 0.1401

Previews

White Background



This preview shows how the Yxy color 82.0575, 0.3132, 0.3470 looks on a white background.

Color Contrast Check

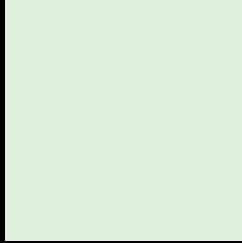
Large Text (above 18pt) WCAG AA × Fail

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 82.0575, 0.3132, 0.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

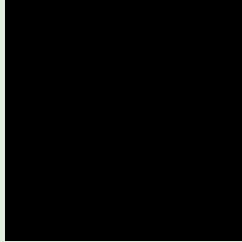
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

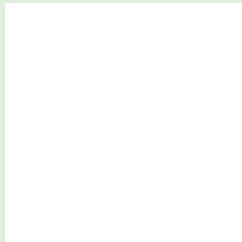
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0575, 0.3132, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 82.0575, 0.3132, 0.3470.

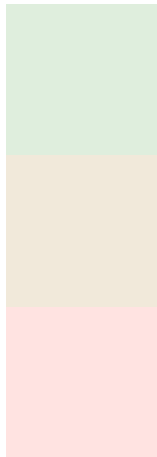


This preview shows how white text looks on a background with the Yxy color 82.0575, 0.3132, 0.3470.

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

82.0575, 0.3132, 0.3470

Protanopia

82.0406, 0.3278, 0.3445

Deuteranopia

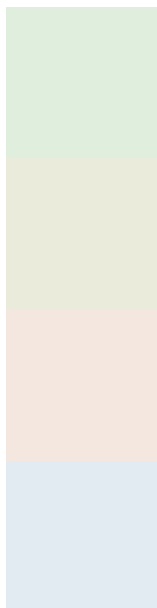
81.6344, 0.3338, 0.3311



Tritanopia

81.8001, 0.2979, 0.3096

Trichromacy



Original Color

82.0575, 0.3132, 0.3470

Protanomaly

82.0236, 0.3221, 0.3457

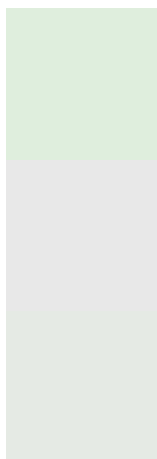
Deuteranomaly

81.5883, 0.3255, 0.3362

Tritanomaly

81.9363, 0.3031, 0.3228

Monochromacy



Original Color

82.0575, 0.3132, 0.3470

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.1051, 0.3131, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0575, 0.3132, 0.3470 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(223, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(223, 238, 221)  
}
```

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(223, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 238, 221) }
```

Border

The CSS property to change the border of an element to Yxy 82.0575, 0.3132, 0.3470 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(223, 238, 221) }
```

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

```
.border{ border-color:rgb(223, 238, 221) }
```

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

Here you see how a box with a 4 pixel rgb(223, 238, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(223, 238,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0575, 0.3132, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 238, 221) }
```

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

```
.background{ background-color: rgb(223,  
238, 221) }
```

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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