

Converting Colors

$Yxy(83.1163, 0.3159, 0.3507)$

Have a look what the booklet for
Yxy(83.1163, 0.3159, 0.3507)
contains.

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Color

Yxy(82.8550, 0.3157, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	E1EFDB
RGB	225, 239, 219
RGB Percent	88%, 94%, 86%
CMY	0.1175, 0.0628, 0.1411
CMYK	0.06, 0.00, 0.08, 0.06
HSL	102°, 38%, 90%
HSV	102°, 8%, 94%
XYZ	74.7139, 82.8550, 79.0921
YIQ	232.5340, -1.9240, -9.1880

Conversions

Conversions Part 2

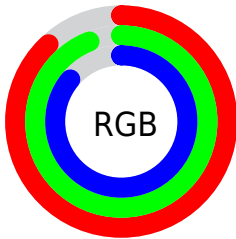
Format	Color
R _Y B	219, 239, 233
Decimal	14807003
CIE Lab	92.95, -8.17, 8.06
CIE LCh	93, 11.475, 135.372
Yxy	82.8550, 0.3157, 0.3501
Android (android.graphics.Color)	4292997083 (0xFFE1EFDB)
YUV	232.5340, -6.6723, -6.6073
Hunter-Lab	91.0247, -12.7790, 12.1998

Details

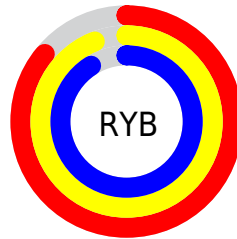
The Yxy color **82.8550, 0.3157, 0.3501** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.2330, 0.3095, 0.3083**, and the grayscale version is **81.1759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0934, 0.3166, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **79.1317, 0.3191, 0.3779**, and if you desaturate by 10%, it is **87.0292, 0.3121, 0.3251**.

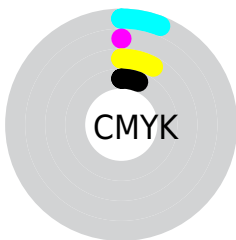
Distribution



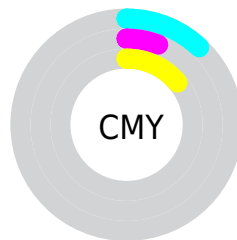
- Red (88%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (12%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8550, 0.3157, 0.3501 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 82.8550, 0.3157, 0.3501 by changing the saturation by 10% instead.

82.8550, 0.3157,
0.3501

82.8550, 0.3157,
0.3501

504.5031, 0.3144,
0.3404

62.0705, 0.3160,
0.3523

137.3724, 0.3153,
0.3468

45.0897, 0.3163,
0.3550

171.8740, 0.3151,
0.3455

31.5281, 0.3167,
0.3584

211.7169, 0.3150,
0.3443

21.0013, 0.3172,
0.3628

257.2854, 0.3148,
0.3434

13.1250, 0.3178,
0.3688

308.9639, 0.3147,
0.3425

7.5146, 0.3186,
0.3774

367.1367, 0.3146,

3.7860, 0.3197,

0.3417

0.3906

432.1883, 0.3145,
0.3410

■ 1.5546, 0.3209,
0.4136

■ 0.3267, 0.2539,
0.7461

■ 82.8550, 0.3157,
0.3501

■ 82.8550, 0.3157,
0.3501

■ 79.1317, 0.3191,
0.3779

■ 87.0292, 0.3121,
0.3251

■ 75.8333, 0.3222,
0.4081

■ 90.2100, 0.3134,
0.3136

■ 72.9475, 0.3247,
0.4401

■ 70.4570, 0.3262,
0.4729

■ 68.3435, 0.3266,
0.5049

■ 66.5869, 0.3255,
0.5342

■ 65.1650, 0.3229,
0.5587

■ 64.0527, 0.3189,
0.5768

■ 63.2179, 0.3140,
0.5880

Harmonies

Analogous

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



82.8550, 0.3283, 0.3522



82.8550, 0.3157, 0.3501



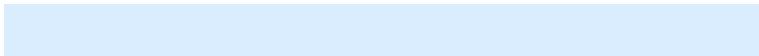
82.8550, 0.3026, 0.3420

Triad

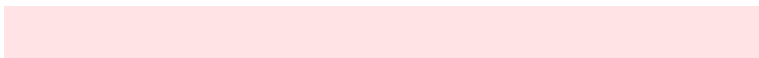
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8550, 0.3157, 0.3501



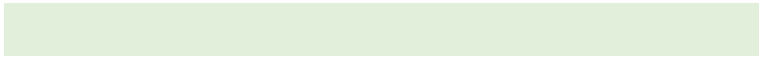
82.8550, 0.2892, 0.3099



82.8550, 0.3335, 0.3272

Complementary

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



82.8550, 0.3157, 0.3501



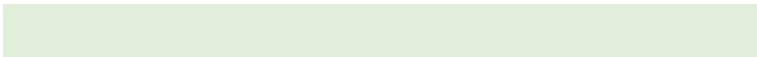
74.2330, 0.3095, 0.3083

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.



82.8550, 0.3227, 0.3165



82.8550, 0.3157, 0.3501



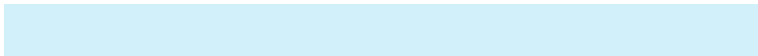
82.8550, 0.2971, 0.3066

Square

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



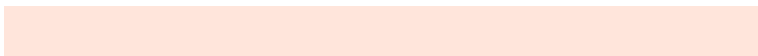
82.8550, 0.3157, 0.3501



82.8550, 0.2874, 0.3185



82.8550, 0.3093, 0.3090



82.8550, 0.3387, 0.3386

Rectangle

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



82.8550, 0.3157, 0.3501



82.8550, 0.2952, 0.3344



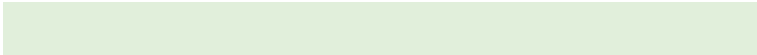
82.8550, 0.3093, 0.3090



82.8550, 0.3304, 0.3234

Sweetspot

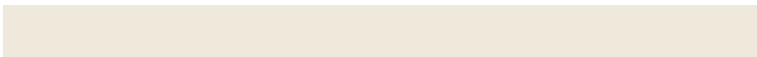
The Sweet Spot groups the original color and five complimentary colors.



82.8586, 0.3157, 0.3501



98.5163, 0.3138, 0.3364



81.5585, 0.3258, 0.3431



21.0034, 0.3141, 0.3384



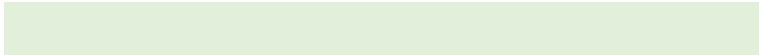
0.0000, 0.0000, 0.0000



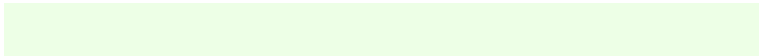
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8586, 0.3157, 0.3501



95.2380, 0.3163, 0.3546



82.1057, 0.3095, 0.3464



17.8866, 0.3161, 0.3531



34.9325, 0.3142, 0.5887



2.9560, 0.3239, 0.5810

Inverse Universe

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



74.2330, 0.3095, 0.3083



83.3709, 0.3087, 0.3039



75.0460, 0.3161, 0.3122



15.7791, 0.3090, 0.3054



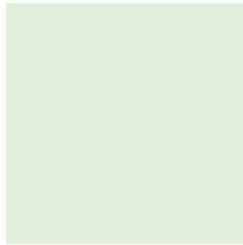
8.0652, 0.2461, 0.1130



0.7225, 0.2562, 0.1185

Previews

White Background



This preview shows how the Yxy color 82.8550, 0.3157, 0.3501 looks on a white background.

Color Contrast Check

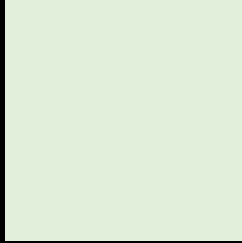
Large Text (above 18pt) WCAG AA × Fail

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 82.8550, 0.3157, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

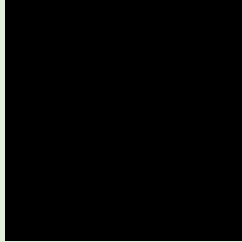
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

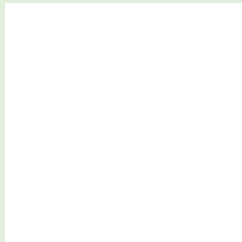
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8550, 0.3157, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 82.8550, 0.3157, 0.3501.

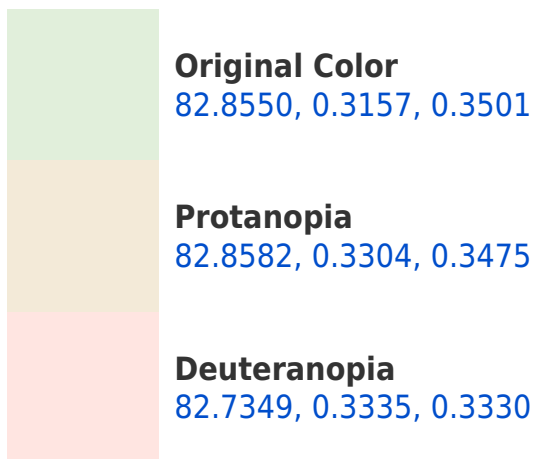


This preview shows how white text looks on a background with the Yxy color 82.8550, 0.3157, 0.3501.

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

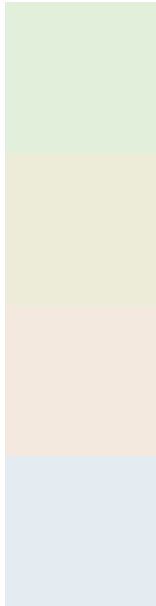




Tritanopia

82.7605, 0.2985, 0.3097

Trichromacy



Original Color

82.8550, 0.3157, 0.3501

Protanomaly

82.8335, 0.3247, 0.3488

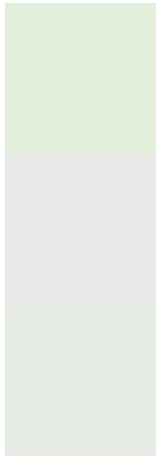
Deuteranomaly

82.8386, 0.3266, 0.3392

Tritanomaly

82.8358, 0.3044, 0.3238

Monochromacy



Original Color

82.8550, 0.3157, 0.3501

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.8411, 0.3137, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8550, 0.3157, 0.3501 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(225, 239, 219)` looks like.

```
.text, #text, p{  
    color:rgb(225, 239, 219)  
}
```

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(225, 239, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 239, 219) }
```

Border

The CSS property to change the border of an element to Yxy 82.8550, 0.3157, 0.3501 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(225, 239, 219) }
```

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

```
.border{ border-color:rgb(225, 239, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 239, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 239, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 239, 219);  
box-shadow:4px 4px 4px 4px rgb(225, 239,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8550, 0.3157, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 239, 219) }
```

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

```
.background{ background-color: rgb(225,  
239, 219) }
```

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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