

Converting Colors

$Y_{xy}(87.6700, 0.3132, 0.3517)$

Have a look what the booklet for
Yxy(87.6700, 0.3132, 0.3517)
contains.

Yxy(87.6242, 0.3136, 0.3519)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.6242, 0.3136, 0.3519)

Conversions

Conversions Part 1

Format	Color
Hex	E3F6E0
RGB	227, 246, 224
RGB Percent	89%, 96%, 88%
CMY	0.1098, 0.0353, 0.1217
CMYK	0.08, 0.00, 0.09, 0.04
HSL	112°, 55%, 92%
HSV	112°, 9%, 96%
XYZ	78.0874, 87.6242, 83.2915
YIQ	237.8110, -4.2620, -10.8700

Conversions

Conversions Part 2

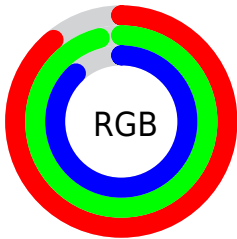
Format	Color
RYB	224, 246, 243
Decimal	14939872
CIELab	95.00, -10.17, 8.47
CIELCh	95, 13.233, 140.197
Yxy	87.6242, 0.3136, 0.3519
Android (android.graphics.Color)	4293129952 (0xFFE3F6E0)
YUV	237.8110, -6.8088, -9.4812
Hunter-Lab	93.6078, -14.9094, 12.7696

Details

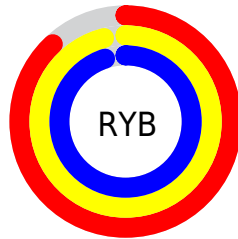
The Yxy color **87.6242, 0.3136, 0.3519** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.9931, 0.3116, 0.3068**, and the grayscale version is **85.4043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4621, 0.3138, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **83.1509, 0.3144, 0.3805**, and if you desaturate by 10%, it is **92.7225, 0.3126, 0.3265**.

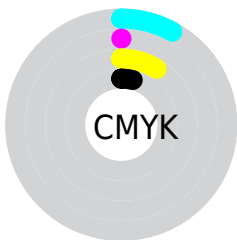
Distribution



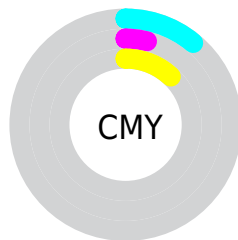
- Red (89%)
- Green (96%)
- Blue (88%)



- Red (88%)
- Yellow (96%)
- Blue (95%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6242, 0.3136, 0.3519 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 87.6242, 0.3136, 0.3519 by changing the saturation by 10% instead.


 87.6242, 0.3136,
0.3519

 87.6242, 0.3136,
0.3519


520.2718, 0.3133,
0.3415

 66.0119, 0.3137,
0.3542


144.0339, 0.3135,
0.3483

 48.2820, 0.3137,
0.3571


179.6000, 0.3135,
0.3469

 34.0503, 0.3138,
0.3607


220.5862, 0.3134,
0.3457

 22.9322, 0.3138,
0.3654

267.3768, 0.3134,
0.3447

 14.5435, 0.3138,
0.3716

320.3563, 0.3134,
0.3437

 8.4996, 0.3138,
0.3805

379.9090, 0.3133,

 4.4163, 0.3135,

0.3429

0.3940

446.4194, 0.3133,
0.3422

■ 1.9090, 0.3125,
0.4169

■ 0.5538, 0.3301,
0.6571

■ 87.6242, 0.3136,
0.3519

■ 87.6242, 0.3136,
0.3519

■ 83.1509, 0.3144,
0.3805

■ 92.7225, 0.3126,
0.3265

■ 79.2677, 0.3149,
0.4120

■ 94.3951, 0.3131,
0.3204

■ 75.9532, 0.3150,
0.4458

■ 73.1806, 0.3145,
0.4806

■ 70.9206, 0.3134,
0.5146

■ 69.1414, 0.3116,
0.5452

■ 67.8073, 0.3091,
0.5701

■ 66.8776, 0.3062,
0.5873

■ 66.3000, 0.3034,
0.5968

Harmonies

Analogous

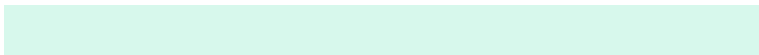
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6242, 0.3282, 0.3554



87.6242, 0.3136, 0.3519



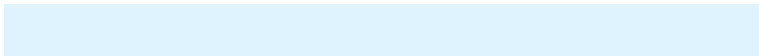
87.6242, 0.2990, 0.3418

Triad

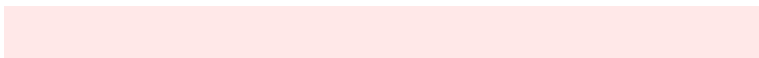
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6242, 0.3136, 0.3519



87.6242, 0.2871, 0.3064



87.6242, 0.3377, 0.3290

Complementary

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



87.6242, 0.3136, 0.3519



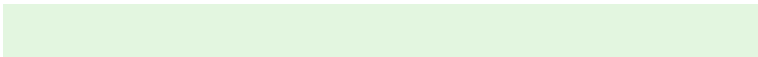
78.9931, 0.3116, 0.3068

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.



87.6242, 0.3263, 0.3167



87.6242, 0.3136, 0.3519



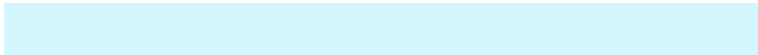
87.6242, 0.2970, 0.3037

Square

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



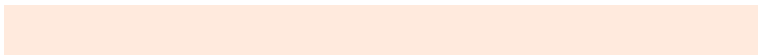
87.6242, 0.3136, 0.3519



87.6242, 0.2840, 0.3152



87.6242, 0.3113, 0.3075



87.6242, 0.3424, 0.3417

Rectangle

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



87.6242, 0.3136, 0.3519



87.6242, 0.2912, 0.3329



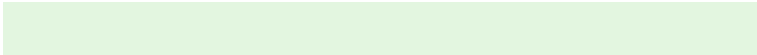
87.6242, 0.3113, 0.3075



87.6242, 0.3345, 0.3247

Sweetspot

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



87.6280, 0.3136, 0.3519



98.2882, 0.3130, 0.3364



88.8953, 0.3264, 0.3478



20.9420, 0.3131, 0.3384



0.0000, 0.0000, 0.0000



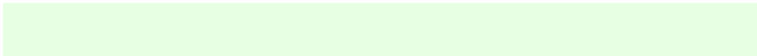
21.4041, 0.3127, 0.3290

Same Dimension

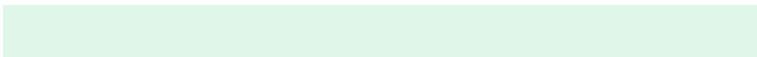
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6280, 0.3136, 0.3519



94.0239, 0.3138, 0.3575



87.5646, 0.3071, 0.3439



18.5819, 0.3136, 0.3533



35.3974, 0.3038, 0.5970



3.1444, 0.3102, 0.5919

Inverse Universe

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



78.9931, 0.3116, 0.3068



82.6624, 0.3114, 0.3016



79.0760, 0.3188, 0.3146



16.6453, 0.3116, 0.3055



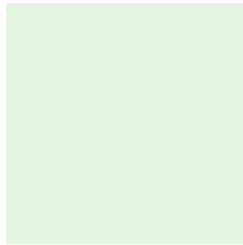
11.0666, 0.2862, 0.1350



1.0040, 0.2908, 0.1376

Previews

White Background



This preview shows how the Yxy color 87.6242, 0.3136, 0.3519 looks on a white background.

Color Contrast Check

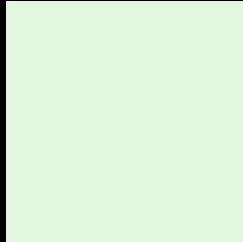
Large Text (above 18pt) WCAG AA × Fail

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 87.6242, 0.3136, 0.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

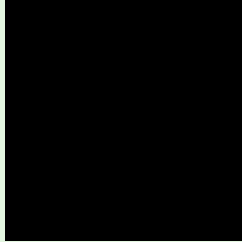
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

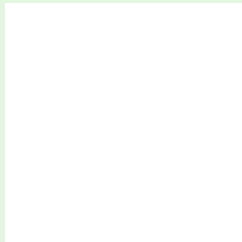
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6242, 0.3136, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 87.6242, 0.3136, 0.3519.

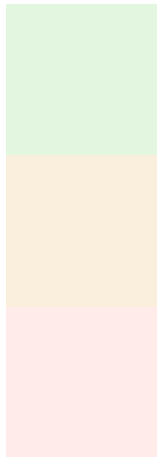


This preview shows how white text looks on a background with the Yxy color 87.6242, 0.3136, 0.3519.

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



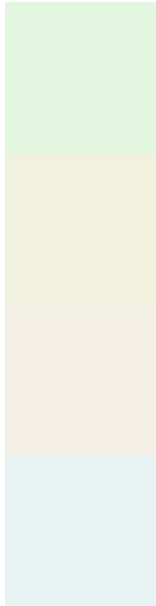
Original Color
87.6242, 0.3136, 0.3519
Protanopia
87.0400, 0.3314, 0.3481
Deuteranopia
87.1914, 0.3268, 0.3310



Tritanopia

87.7928, 0.3006, 0.3150

Trichromacy



Original Color

87.6242, 0.3136, 0.3519

Protanomaly

87.4255, 0.3249, 0.3504

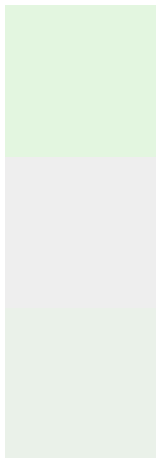
Deuteranomaly

87.4458, 0.3222, 0.3391

Tritanomaly

87.7886, 0.3051, 0.3280

Monochromacy



Original Color

87.6242, 0.3136, 0.3519

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.2862, 0.3130, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6242, 0.3136, 0.3519 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(227, 246, 224)` looks like.

```
.text, #text, p{  
    color:rgb(227, 246, 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(227, 246, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 246, 224) }
```

Border

The CSS property to change the border of an element to Yxy 87.6242, 0.3136, 0.3519 is called "border". The border property can be set on classes, ids or directly on the HTML element.

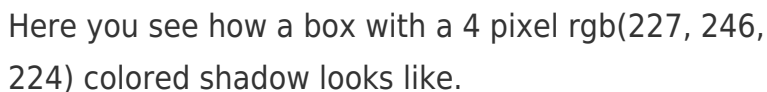
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 246, 224) }
```

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

```
.border{ border-color:rgb(227, 246, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 246, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 246, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 246, 224);  
box-shadow:4px 4px 4px 4px rgb(227, 246,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6242, 0.3136, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 246, 224) }
```

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

```
.background{ background-color: rgb(227,  
246, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor