

Converting Colors

$Yxy(87.2844, 0.3112, 0.3488)$

Have a look what the booklet for
Yxy(87.2844, 0.3112, 0.3488)
contains.

Yxy(87.6263, 0.3112, 0.3487)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.6263, 0.3112, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	E2F6E3
RGB	226, 246, 227
RGB Percent	89%, 96%, 89%
CMY	0.1134, 0.0354, 0.1098
CMYK	0.08, 0.00, 0.08, 0.04
HSL	123°, 52%, 93%
HSV	123°, 8%, 96%
XYZ	78.2028, 87.6263, 85.4652
YIQ	237.8540, -5.8210, -10.1490

Conversions

Conversions Part 2

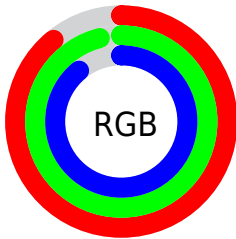
Format	Color
R _Y B	226, 245, 246
Decimal	14874339
CIE Lab	95.00, -9.94, 6.90
CIE LCh	95, 12.097, 145.251
Yxy	87.6263, 0.3112, 0.3487
Android (android.graphics.Color)	4293064419 (0xFFE2F6E3)
YUV	237.8540, -5.3510, -10.3960
Hunter-Lab	93.6089, -14.6931, 11.3943

Details

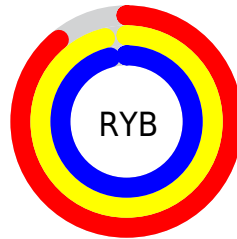
The Yxy color **87.6263, 0.3112, 0.3487** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.6216, 0.3142, 0.3101**, and the grayscale version is **85.4381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4634, 0.3108, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **82.7244, 0.3092, 0.3761**, and if you desaturate by 10%, it is **93.2827, 0.3131, 0.3247**.

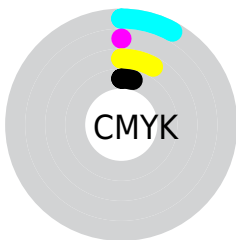
Distribution



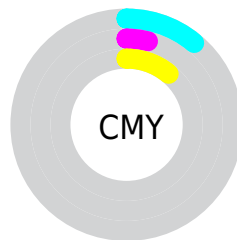
- Red (89%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (96%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6263, 0.3112, 0.3487 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 87.6263, 0.3112, 0.3487 by changing the saturation by 10% instead.


 87.6263, 0.3112,
0.3487

 87.6263, 0.3112,
0.3487


520.2787, 0.3119,
0.3398

 66.0136, 0.3110,
0.3507


144.0368, 0.3115,
0.3456

 48.2835, 0.3108,
0.3532


179.6034, 0.3116,
0.3444

 34.0514, 0.3105,
0.3563


220.5900, 0.3117,
0.3434

 22.9331, 0.3101,
0.3602

267.3812, 0.3117,
0.3425

 14.5441, 0.3096,
0.3656

320.3613, 0.3118,
0.3417

 8.5001, 0.3087,
0.3732

379.9146, 0.3118,

 4.4166, 0.3074,

0.3410

0.3847

446.4256, 0.3119,
0.3403

■ 1.9092, 0.3048,
0.4043

■ 0.5539, 0.2960,
0.5777

■ 87.6263, 0.3112,
0.3487

■ 87.6263, 0.3112,
0.3487

■ 82.7244, 0.3092,
0.3761

■ 93.2827, 0.3131,
0.3247

■ 78.5346, 0.3071,
0.4067

■ 94.3825, 0.3131,
0.3204

■ 75.0270, 0.3050,
0.4400

■ 72.1656, 0.3030,
0.4749

■ 69.9108, 0.3013,
0.5094

■ 68.2190, 0.3000,
0.5411

■ 67.0404, 0.2993,
0.5674

■ 66.3168, 0.2991,
0.5862

■ 65.9699, 0.2994,
0.5968

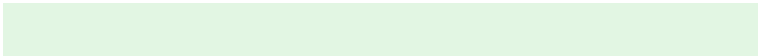
Harmonies

Analogous

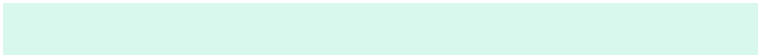
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6263, 0.3248, 0.3530



87.6263, 0.3112, 0.3487



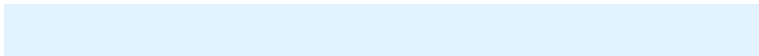
87.6263, 0.2982, 0.3387

Triad

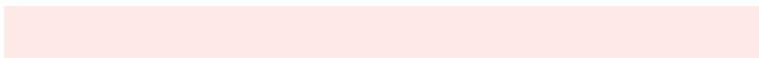
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6263, 0.3112, 0.3487



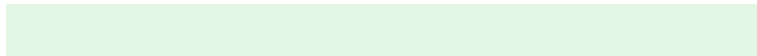
87.6263, 0.2904, 0.3075



87.6263, 0.3368, 0.3311

Complementary

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



87.6263, 0.3112, 0.3487



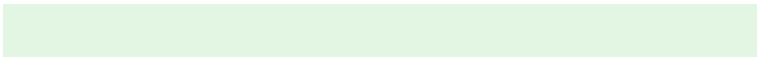
80.6216, 0.3142, 0.3101

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.



87.6263, 0.3272, 0.3195



87.6263, 0.3112, 0.3487



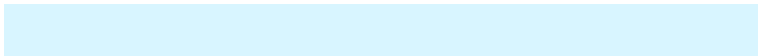
87.6263, 0.3004, 0.3060

Square

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



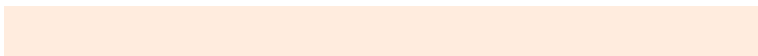
87.6263, 0.3112, 0.3487



87.6263, 0.2864, 0.3147



87.6263, 0.3138, 0.3104



87.6263, 0.3398, 0.3425

Rectangle

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



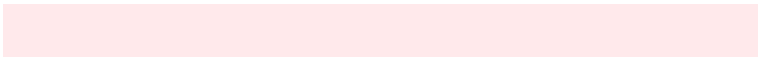
87.6263, 0.3112, 0.3487



87.6263, 0.2916, 0.3304



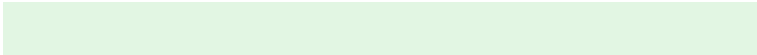
87.6263, 0.3138, 0.3104



87.6263, 0.3342, 0.3271

Sweetspot

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



87.6300, 0.3112, 0.3487



98.7362, 0.3123, 0.3337



90.8681, 0.3243, 0.3489



21.1469, 0.3124, 0.3334



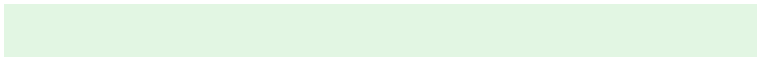
0.0000, 0.0000, 0.0000



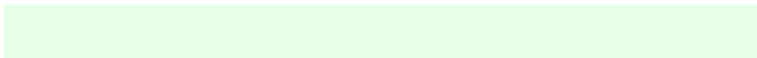
21.4041, 0.3127, 0.3290

Same Dimension

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



87.6300, 0.3112, 0.3487



94.0121, 0.3108, 0.3537



88.1805, 0.3055, 0.3385



18.4845, 0.3109, 0.3523



35.2000, 0.2992, 0.5971



3.0980, 0.2972, 0.5898

Inverse Universe

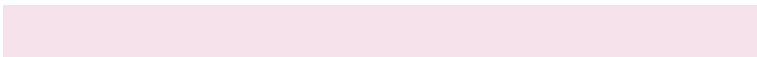
The Inverse Universe completely reimagines the original color for something new.



80.6216, 0.3142, 0.3101



84.7197, 0.3146, 0.3055



80.0448, 0.3205, 0.3197



16.7542, 0.3145, 0.3067



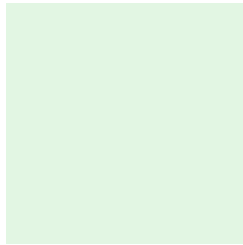
13.6525, 0.3329, 0.1607



1.2040, 0.3313, 0.1598

Previews

White Background



This preview shows how the Yxy color 87.6263, 0.3112, 0.3487 looks on a white background.

Color Contrast Check

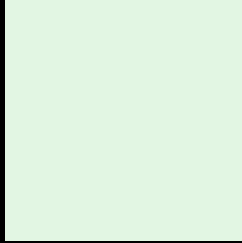
Large Text (above 18pt) WCAG AA × Fail

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 87.6263, 0.3112, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

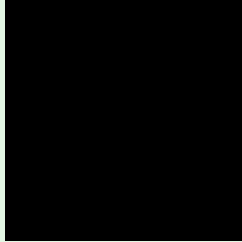
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

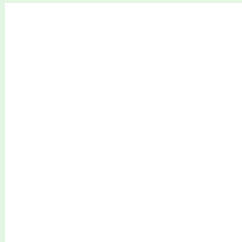
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6263, 0.3112, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 87.6263, 0.3112, 0.3487.

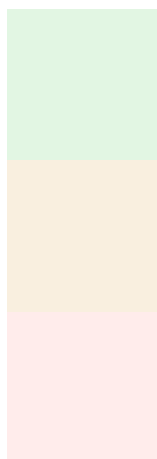


This preview shows how white text looks on a background with the Yxy color 87.6263, 0.3112, 0.3487.

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

87.6263, 0.3112, 0.3487

Protanopia

87.2005, 0.3294, 0.3451

Deuteranopia

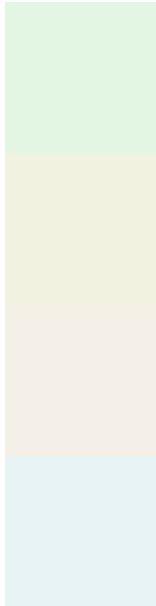
87.2491, 0.3262, 0.3300



Tritanopia

87.6230, 0.2999, 0.3150

Trichromacy



Original Color

87.6263, 0.3112, 0.3487

Protanomaly

87.5869, 0.3231, 0.3473

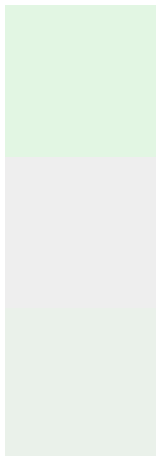
Deuteranomaly

87.3795, 0.3203, 0.3371

Tritanomaly

87.6827, 0.3038, 0.3269

Monochromacy



Original Color

87.6263, 0.3112, 0.3487

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.3435, 0.3124, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6263, 0.3112, 0.3487 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(226, 246, 227)` looks like.

```
.text, #text, p{  
    color:rgb(226, 246, 227)  
}
```

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(226, 246, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 246, 227) }
```

Border

The CSS property to change the border of an element to Yxy 87.6263, 0.3112, 0.3487 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(226, 246, 227) }
```

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

```
.border{ border-color:rgb(226, 246, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 246, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 246, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 246, 227); box-shadow:4px 4px 4px 4px rgb(226, 246, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6263, 0.3112, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 246, 227) }
```

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

```
.background{ background-color: rgb(226,  
246, 227) }
```

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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