

Converting Colors

$Yxy(86.8004, 0.3094, 0.3394)$

Have a look what the booklet for
Yxy(86.8004, 0.3094, 0.3394)
contains.

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Color

Yxy(86.6424, 0.3096, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	E5F3E9
RGB	229, 243, 233
RGB Percent	90%, 95%, 91%
CMY	0.1022, 0.0470, 0.0862
CMYK	0.06, 0.00, 0.04, 0.05
HSL	137°, 37%, 93%
HSV	137°, 6%, 95%
XYZ	79.0583, 86.6424, 89.6556
YIQ	237.6740, -5.1340, -6.0780

Conversions

Conversions Part 2

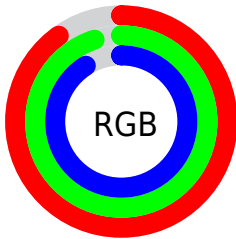
Format	Color
R _Y B	229, 240, 243
Decimal	15070185
CIE Lab	94.59, -6.44, 3.21
CIE LCh	95, 7.195, 153.513
Yxy	86.6424, 0.3096, 0.3393
Android (android.graphics.Color)	4293260265 (0xFFE5F3E9)
YUV	237.6740, -2.3043, -7.6071
Hunter-Lab	93.0819, -11.2859, 8.0498

Details

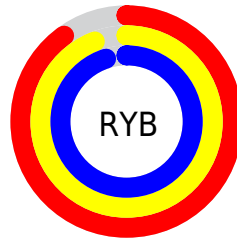
The Yxy color **86.6424, 0.3096, 0.3393** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.2930, 0.3160, 0.3189**, and the grayscale version is **85.2520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7136, 0.3096, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **81.9861, 0.3042, 0.3589**, and if you desaturate by 10%, it is **91.9623, 0.3150, 0.3220**.

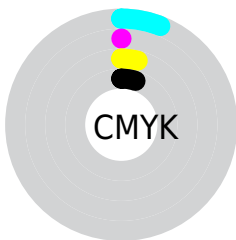
Distribution



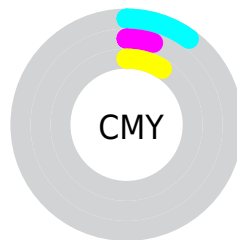
- Red (90%)
- Green (95%)
- Blue (91%)



- Red (90%)
- Yellow (94%)
- Blue (95%)



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)





- Cyan (10%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6424, 0.3096, 0.3393 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 86.6424, 0.3096, 0.3393 by changing the saturation by 10% instead.

 86.6424, 0.3096,
0.3393

 86.6424, 0.3096,
0.3393


517.0471, 0.3110,
0.3347

 65.1993, 0.3093,
0.3403


142.6656, 0.3101,
0.3377

 47.6227, 0.3089,
0.3416


178.0145, 0.3103,
0.3371

 33.5282, 0.3084,
0.3432


218.7675, 0.3104,
0.3365

 22.5314, 0.3078,
0.3453

265.3089, 0.3106,
0.3361

 14.2479, 0.3069,
0.3480

318.0232, 0.3107,
0.3356

 8.2933, 0.3057,
0.3519

377.2947, 0.3108,

 4.2832, 0.3039,

0.3353

443.5079, 0.3109,
0.3349

0.3578

■ 1.8332, 0.3007,
0.3677

■ 0.5077, 0.2801,
0.4371

■ 86.6424, 0.3096,
0.3393

■ 86.6424, 0.3096,
0.3393

■ 81.9861, 0.3042,
0.3589

■ 91.9623, 0.3150,
0.3220

■ 77.9564, 0.2990,
0.3809

■ 92.5940, 0.3133,
0.3175

■ 74.5293, 0.2942,
0.4050

■ 71.6753, 0.2900,
0.4311

■ 69.3619, 0.2869,
0.4583

■ 67.5536, 0.2850,
0.4859

■ 66.2105, 0.2847,
0.5125

■ 65.2860, 0.2860,
0.5368

■ 64.7236, 0.2889,
0.5574

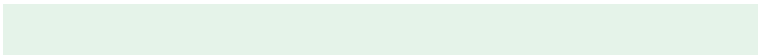
Harmonies

Analogous

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



86.6424, 0.3179, 0.3429



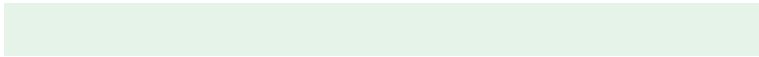
86.6424, 0.3096, 0.3393



86.6424, 0.3023, 0.3328

Triad

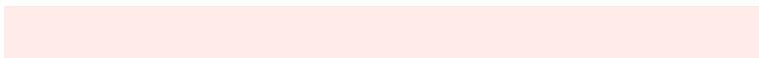
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6424, 0.3096, 0.3393



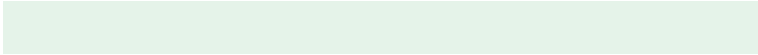
86.6424, 0.3007, 0.3155



86.6424, 0.3280, 0.3323

Complementary

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



86.6424, 0.3096, 0.3393



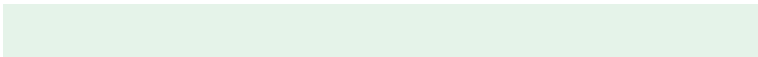
81.2930, 0.3160, 0.3189

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.



86.6424, 0.3232, 0.3252



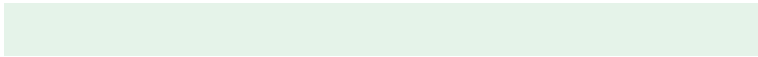
86.6424, 0.3096, 0.3393



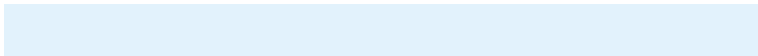
86.6424, 0.3075, 0.3155

Square

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



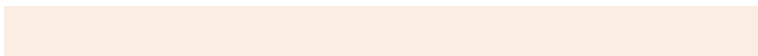
86.6424, 0.3096, 0.3393



86.6424, 0.2972, 0.3190



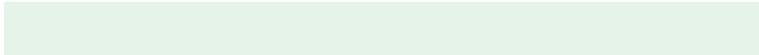
86.6424, 0.3157, 0.3191



86.6424, 0.3285, 0.3388

Rectangle

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



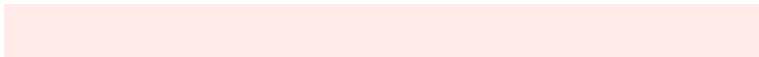
86.6424, 0.3096, 0.3393



86.6424, 0.2988, 0.3278



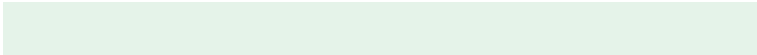
86.6424, 0.3157, 0.3191



86.6424, 0.3268, 0.3299

Sweetspot

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



86.6461, 0.3096, 0.3393



98.8142, 0.3116, 0.3325



88.1241, 0.3186, 0.3433



21.1627, 0.3117, 0.3323



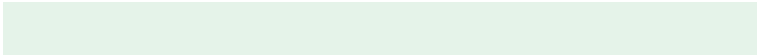
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

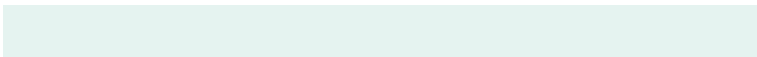
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6461, 0.3096, 0.3393



95.9799, 0.3089, 0.3416



87.0517, 0.3055, 0.3321



18.7502, 0.3086, 0.3427



35.4458, 0.2895, 0.5622



3.1324, 0.2827, 0.5377

Inverse Universe

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



81.2930, 0.3160, 0.3189



88.8072, 0.3167, 0.3167



80.8896, 0.3205, 0.3259



17.2354, 0.3171, 0.3157



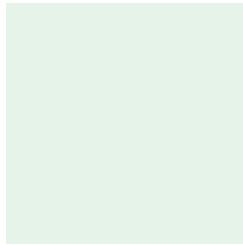
12.1325, 0.4106, 0.2036



1.0841, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 86.6424, 0.3096, 0.3393 looks on a white background.

Color Contrast Check

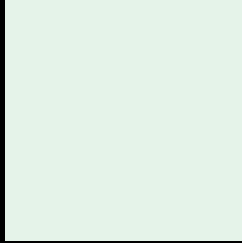
Large Text (above 18pt) WCAG AA × Fail

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 86.6424, 0.3096, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

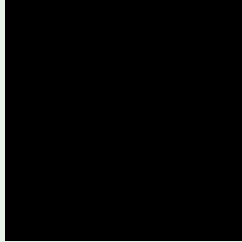
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

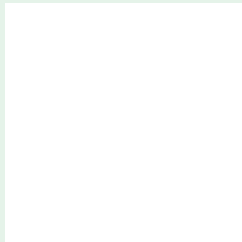
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6424, 0.3096, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 86.6424, 0.3096, 0.3393.

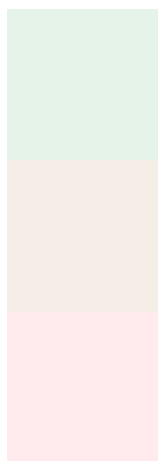


This preview shows how white text looks on a background with the Yxy color 86.6424, 0.3096, 0.3393.

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

86.6424, 0.3096, 0.3393

Protanopia

86.2747, 0.3224, 0.3371

Deuteranopia

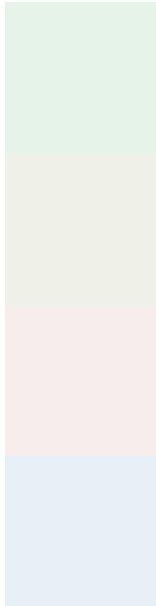
86.2201, 0.3251, 0.3261



Tritanopia

86.4454, 0.2999, 0.3130

Trichromacy



Original Color

86.6424, 0.3096, 0.3393

Protanomaly

86.4404, 0.3176, 0.3381

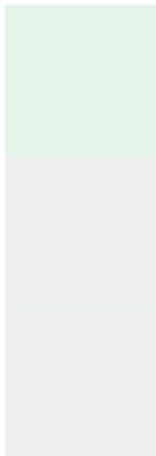
Deuteranomaly

86.2173, 0.3194, 0.3300

Tritanomaly

86.1914, 0.3033, 0.3219

Monochromacy



Original Color

86.6424, 0.3096, 0.3393

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.0385, 0.3119, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6424, 0.3096, 0.3393 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(229, 243, 233)` looks like.

```
.text, #text, p{  
    color:rgb(229, 243, 233)  
}
```

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(229, 243, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 243, 233) }
```

Border

The CSS property to change the border of an element to Yxy 86.6424, 0.3096, 0.3393 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(229, 243, 233) }
```

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

```
.border{ border-color:rgb(229, 243, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 243, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 243, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 243, 233);  
box-shadow:4px 4px 4px 4px rgb(229, 243,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6424, 0.3096, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 243, 233) }
```

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

```
.background{ background-color: rgb(229,  
243, 233) }
```

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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