

Converting Colors

$Yxy(87.1851, 0.3060, 0.3420)$

Have a look what the booklet for
Yxy(87.1851, 0.3060, 0.3420)
contains.

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Color

Yxy(86.8760, 0.3058, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	DFF5E9
RGB	223, 245, 233
RGB Percent	87%, 96%, 91%
CMY	0.1254, 0.0392, 0.0864
CMYK	0.09, 0.00, 0.05, 0.04
HSL	147°, 52%, 92%
HSV	147°, 9%, 96%
XYZ	77.7941, 86.8760, 89.7252
YIQ	237.0540, -9.2600, -8.3960

Conversions

Conversions Part 2

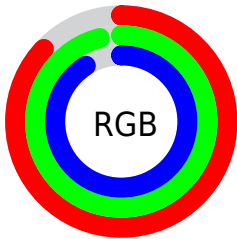
Format	Color
R _Y B	223, 238, 245
Decimal	14677481
CIE Lab	94.69, -9.39, 3.33
CIE LCh	95, 9.961, 160.461
Yxy	86.8760, 0.3058, 0.3415
Android (android.graphics.Color)	4292867561 (0xFFDFF5E9)
YUV	237.0540, -1.9986, -12.3254
Hunter-Lab	93.2073, -14.1304, 8.1701

Details

The Yxy color **86.8760, 0.3058, 0.3415** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.2092, 0.3203, 0.3168**, and the grayscale version is **84.7572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8943, 0.3047, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **82.5261, 0.2983, 0.3570**, and if you desaturate by 10%, it is **91.8549, 0.3135, 0.3276**.

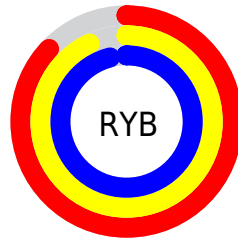
Distribution



Red (87%)

Green (96%)

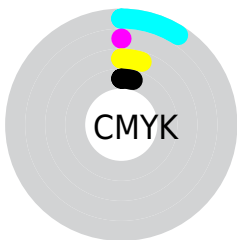
Blue (91%)



Red (87%)

Yellow (93%)

Blue (96%)

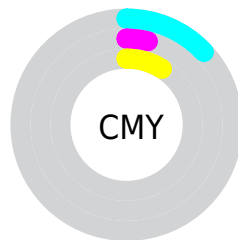


Cyan (9%)

Magenta (0%)

Yellow (5%)

Black (4%)



Cyan (13%)


Magenta (4%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8760, 0.3058, 0.3415 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 86.8760, 0.3058, 0.3415 by changing the saturation by 10% instead.


 86.8760, 0.3058,
0.3415

 86.8760, 0.3058,
0.3415


517.8153, 0.3089,
0.3358

 65.3926, 0.3051,
0.3428

142.9913, 0.3069,
0.3396

 47.7795, 0.3042,
0.3443


178.3920, 0.3073,
0.3388

 33.6523, 0.3032,
0.3463


219.2005, 0.3077,
0.3381

 22.6266, 0.3018,
0.3488

265.8014, 0.3080,
0.3376

 14.3180, 0.2999,
0.3521

318.5789, 0.3083,
0.3371

 8.3422, 0.2973,
0.3569

377.9174, 0.3085,

 4.3147, 0.2934,

0.3366

0.3641

444.2014, 0.3087,
0.3362

■ 1.8511, 0.2867,
0.3762

■ 0.5187, 0.2368,
0.4654

■ 86.8760, 0.3058,
0.3415

■ 86.8760, 0.3058,
0.3415

■ 82.5261, 0.2983,
0.3570

■ 91.8549, 0.3135,
0.3276


■ 78.7687, 0.2911,
0.3743


■ 93.7856, 0.3132,
0.3194

■ 75.5803, 0.2847,
0.3931


■ 72.9317, 0.2793,
0.4133

 70.7907, 0.2752,
0.4346

 69.1220, 0.2729,
0.4563

 67.8850, 0.2724,
0.4779

 67.0321, 0.2740,
0.4986

 66.4929, 0.2773,
0.5178

Harmonies

Analogous

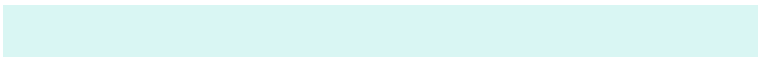
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8760, 0.3172, 0.3476



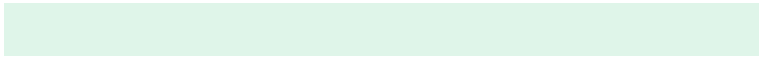
86.8760, 0.3058, 0.3415



86.8760, 0.2964, 0.3319

Triad

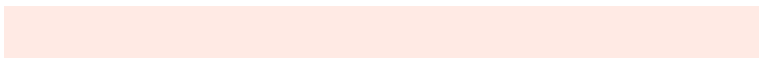
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8760, 0.3058, 0.3415



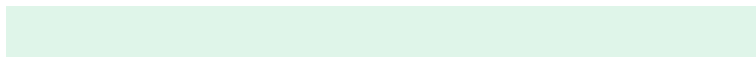
86.8760, 0.2979, 0.3099



86.8760, 0.3346, 0.3358

Complementary

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



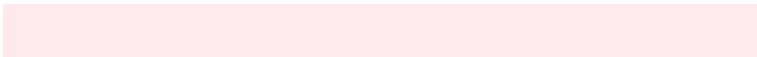
86.8760, 0.3058, 0.3415



78.2092, 0.3203, 0.3168

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.



86.8760, 0.3292, 0.3259



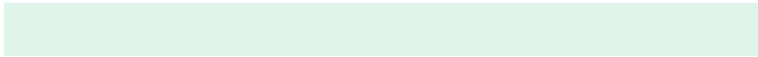
86.8760, 0.3058, 0.3415



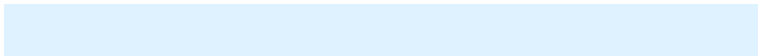
86.8760, 0.3080, 0.3112

Square

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



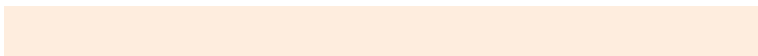
86.8760, 0.3058, 0.3415



86.8760, 0.2919, 0.3137



86.8760, 0.3194, 0.3170



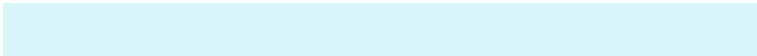
86.8760, 0.3339, 0.3441

Rectangle

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



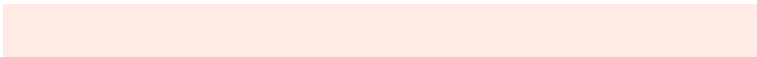
86.8760, 0.3058, 0.3415



86.8760, 0.2925, 0.3249



86.8760, 0.3194, 0.3170



86.8760, 0.3334, 0.3325

Sweetspot

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



86.8797, 0.3058, 0.3415



98.3106, 0.3104, 0.3330



88.3171, 0.3195, 0.3515



20.9482, 0.3098, 0.3342



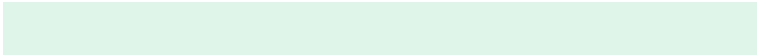
0.0000, 0.0000, 0.0000



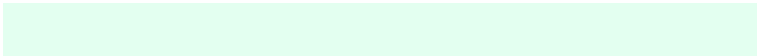
21.4041, 0.3127, 0.3290

Same Dimension

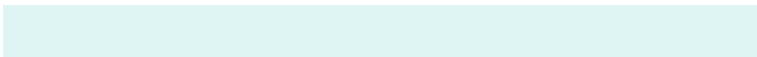
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8797, 0.3058, 0.3415



94.1114, 0.3042, 0.3446



87.5248, 0.2995, 0.3301



18.5965, 0.3054, 0.3423



35.8224, 0.2769, 0.5167



3.1689, 0.2702, 0.4926

Inverse Universe

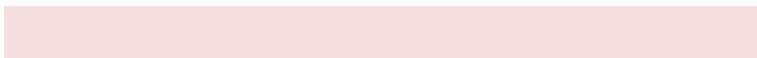
The Inverse Universe completely reimagines the original color for something new.



78.2092, 0.3203, 0.3168



82.6015, 0.3222, 0.3139



77.5955, 0.3276, 0.3279



16.6346, 0.3207, 0.3161



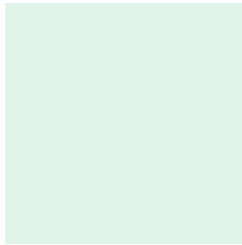
11.4186, 0.4756, 0.2394



1.0243, 0.4508, 0.2257

Previews

White Background



This preview shows how the Yxy color 86.8760, 0.3058, 0.3415 looks on a white background.

Color Contrast Check

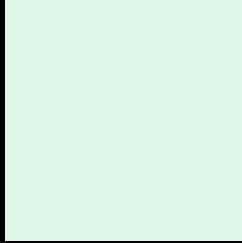
Large Text (above 18pt) WCAG AA × Fail

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 86.8760, 0.3058, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

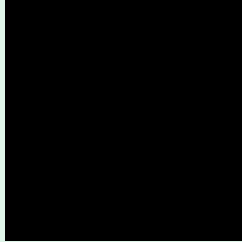
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

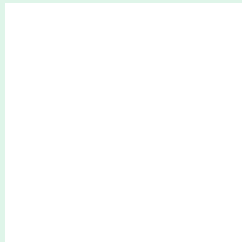
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8760, 0.3058, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 86.8760, 0.3058, 0.3415.

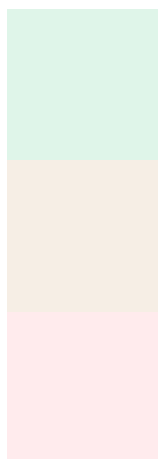


This preview shows how white text looks on a background with the Yxy color 86.8760, 0.3058, 0.3415.

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

86.8760, 0.3058, 0.3415

Protanopia

86.3990, 0.3237, 0.3381

Deuteranopia

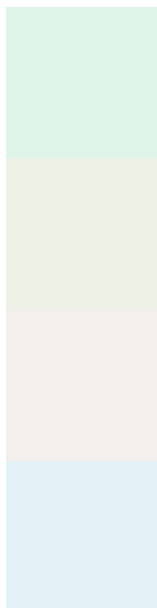
86.7911, 0.3250, 0.3271



Tritanopia

87.1195, 0.2981, 0.3149

Trichromacy



Original Color

86.8760, 0.3058, 0.3415

Protanomaly

86.8009, 0.3175, 0.3402

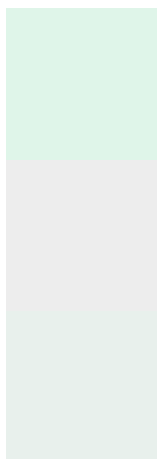
Deuteranomaly

86.8438, 0.3172, 0.3320

Tritanomaly

86.7136, 0.3008, 0.3239

Monochromacy



Original Color

86.8760, 0.3058, 0.3415

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5321, 0.3099, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8760, 0.3058, 0.3415 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, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(223, 245, 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(223, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 245, 233) }
```

Border

The CSS property to change the border of an element to Yxy 86.8760, 0.3058, 0.3415 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, 245, 233) }
```

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

```
.border{ border-color:rgb(223, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(223, 245,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8760, 0.3058, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 245, 233) }
```

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

```
.background{ background-color: rgb(223,  
245, 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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