

Converting Colors

$Yxy(86.1196, 0.3022, 0.3353)$

Have a look what the booklet for
Yxy(86.1196, 0.3022, 0.3353)
contains.

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Color

Yxy(86.4040, 0.3022, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	DEF4EE
RGB	222, 244, 238
RGB Percent	87%, 96%, 93%
CMY	0.1296, 0.0431, 0.0666
CMYK	0.09, 0.00, 0.02, 0.04
HSL	164°, 50%, 91%
HSV	164°, 9%, 96%
XYZ	77.8976, 86.4040, 93.4669
YIQ	236.7380, -11.1860, -6.5300

Conversions

Conversions Part 2

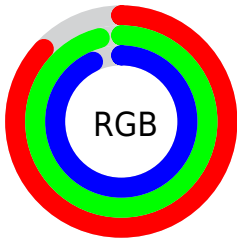
Format	Color
R _{YB}	222, 235, 244
Decimal	14611694
CIE Lab	94.48, -8.31, 0.41
CIE LCh	94, 8.325, 177.148
Yxy	86.4040, 0.3022, 0.3352
Android (android.graphics.Color)	4292801774 (0xFFDEF4EE)
YUV	236.7380, 0.6222, -12.9252
Hunter-Lab	92.9538, -13.0815, 5.4503

Details

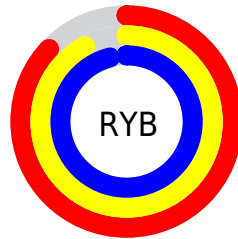
The Yxy color **86.4040, 0.3022, 0.3352** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0539, 0.3244, 0.3229**, and the grayscale version is **84.4749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5593, 0.3002, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **82.4469, 0.2910, 0.3428**, and if you desaturate by 10%, it is **90.9404, 0.3138, 0.3284**.

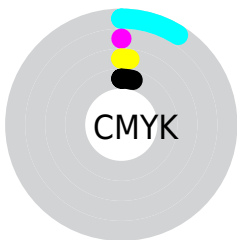
Distribution



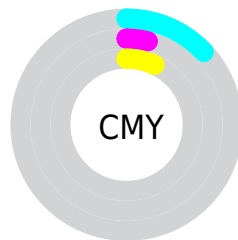
- Red (87%)
- Green (96%)
- Blue (93%)



- Red (87%)
- Yellow (92%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)





- Cyan (13%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4040, 0.3022, 0.3352 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 86.4040, 0.3022, 0.3352 by changing the saturation by 10% instead.


 86.4040, 0.3022,
0.3352

 86.4040, 0.3022,
0.3352

516.2624, 0.3069,
0.3324

 65.0021, 0.3012,
0.3358

142.3331, 0.3038,
0.3343

 47.4628, 0.2999,
0.3366

177.6291, 0.3044,
0.3339

 33.4017, 0.2983,
0.3375

218.3253, 0.3050,
0.3336

 22.4343, 0.2962,
0.3387

264.8060, 0.3055,
0.3333

 14.1764, 0.2935,
0.3403

317.4557, 0.3059,
0.3330

 8.2434, 0.2897,
0.3426

376.6588, 0.3063,

 4.2511, 0.2840,

0.3328

0.3460

442.7995, 0.3066,
0.3326

■ 1.8150, 0.2746,
0.3516

■ 0.4965, 0.2106,
0.3888

■ 86.4040, 0.3022,
0.3352

■ 86.4040, 0.3022,
0.3352

■ 82.4469, 0.2910,
0.3428

■ 90.9404, 0.3138,
0.3284

■ 79.0341, 0.2806,
0.3510

■ 92.9555, 0.3154,
0.3220

■ 76.1436, 0.2712,
0.3599

■ 93.1916, 0.3132,
0.3185

■ 73.7475, 0.2631,
0.3694

■ 71.8154, 0.2567,
0.3793

■ 70.3133, 0.2521,
0.3895

■ 69.2027, 0.2496,
0.3999

■ 68.4377, 0.2490,
0.4103

■ 67.9495, 0.2503,
0.4205

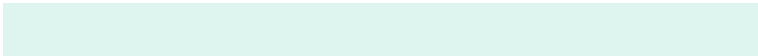
Harmonies

Analogous

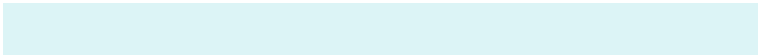
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4040, 0.3111, 0.3422



86.4040, 0.3022, 0.3352



86.4040, 0.2961, 0.3266

Triad

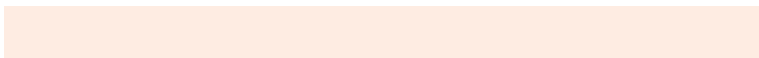
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4040, 0.3022, 0.3352



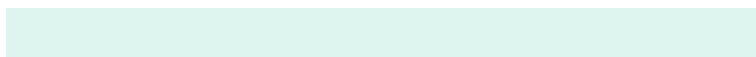
86.4040, 0.3047, 0.3131



86.4040, 0.3313, 0.3389

Complementary

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



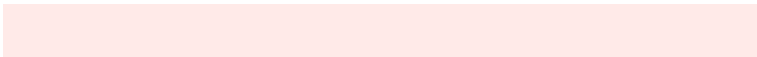
86.4040, 0.3022, 0.3352



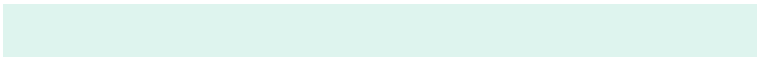
77.0539, 0.3244, 0.3229

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.



86.4040, 0.3296, 0.3311



86.4040, 0.3022, 0.3352



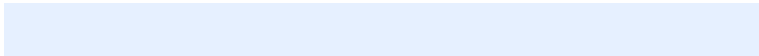
86.4040, 0.3141, 0.3163

Square

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



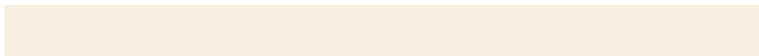
86.4040, 0.3022, 0.3352



86.4040, 0.2976, 0.3139



86.4040, 0.3232, 0.3229



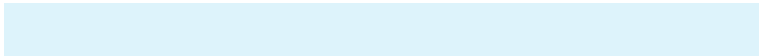
86.4040, 0.3280, 0.3442

Rectangle

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



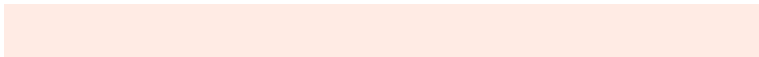
86.4040, 0.3022, 0.3352



86.4040, 0.2945, 0.3211



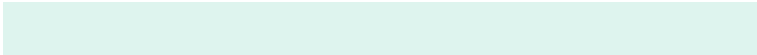
86.4040, 0.3232, 0.3229



86.4040, 0.3313, 0.3364

Sweetspot

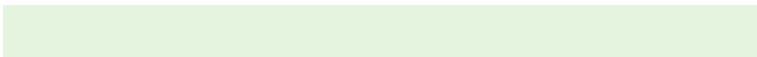
The Sweet Spot groups the original color and five complimentary colors.



86.4076, 0.3022, 0.3352



98.4444, 0.3092, 0.3310



86.5107, 0.3157, 0.3520



20.9843, 0.3083, 0.3315



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.



86.4076, 0.3022, 0.3352



94.5805, 0.2999, 0.3366



83.9269, 0.2987, 0.3240



18.6763, 0.3017, 0.3355



36.9433, 0.2499, 0.4198



3.2641, 0.2464, 0.4069

Inverse Universe

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



77.0539, 0.3244, 0.3229



82.1452, 0.3273, 0.3215



79.3008, 0.3280, 0.3339



16.5566, 0.3251, 0.3226



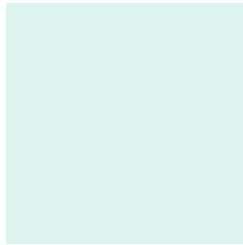
10.6942, 0.5859, 0.3001



0.9565, 0.5506, 0.2807

Previews

White Background



This preview shows how the Yxy color 86.4040, 0.3022, 0.3352 looks on a white background.

Color Contrast Check

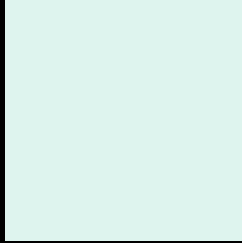
Large Text (above 18pt) WCAG AA × Fail

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 86.4040, 0.3022, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

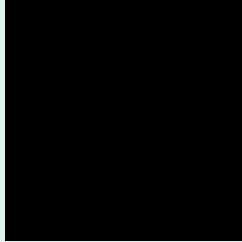
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

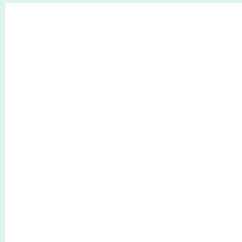
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4040, 0.3022, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 86.4040, 0.3022, 0.3352.

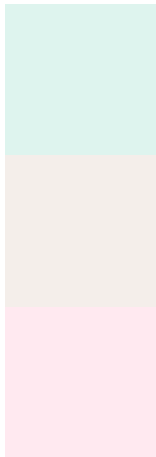


This preview shows how white text looks on a background with the Yxy color 86.4040, 0.3022, 0.3352.

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

86.4040, 0.3022, 0.3352

Protanopia

86.3227, 0.3192, 0.3330

Deuteranopia

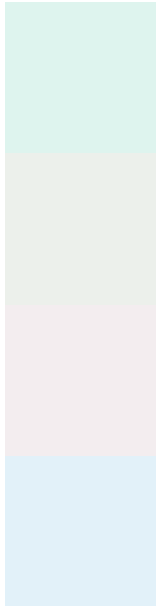
85.8291, 0.3232, 0.3222



Tritanopia

86.1982, 0.2968, 0.3138

Trichromacy



Original Color

86.4040, 0.3022, 0.3352

Protanomaly

86.1512, 0.3131, 0.3341

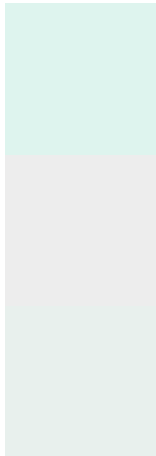
Deuteranomaly

85.8551, 0.3155, 0.3270

Tritanomaly

85.9189, 0.2984, 0.3208

Monochromacy



Original Color

86.4040, 0.3022, 0.3352

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5904, 0.3093, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4040, 0.3022, 0.3352 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(222, 244, 238)` looks like.

```
.text, #text, p{  
    color:rgb(222, 244, 238)  
}
```

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(222, 244, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 244, 238) }
```

Border

The CSS property to change the border of an element to Yxy 86.4040, 0.3022, 0.3352 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(222, 244, 238) }
```

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

```
.border{ border-color:rgb(222, 244, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 244, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 244, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 244, 238);  
box-shadow:4px 4px 4px 4px rgb(222, 244,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4040, 0.3022, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 244, 238) }
```

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

```
.background{ background-color: rgb(222,  
244, 238) }
```

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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