

Converting Colors

$Yxy(85.7216, 0.3057, 0.3357)$

Have a look what the booklet for
Yxy(85.7216, 0.3057, 0.3357)
contains.

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Color

Yxy(85.5679, 0.3053, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	E1F2EC
RGB	225, 242, 236
RGB Percent	88%, 95%, 93%
CMY	0.1178, 0.0509, 0.0745
CMYK	0.07, 0.00, 0.02, 0.05
HSL	159°, 40%, 92%
HSV	159°, 7%, 95%
XYZ	77.9352, 85.5679, 91.7711
YIQ	236.2330, -8.2060, -5.4700

Conversions

Conversions Part 2

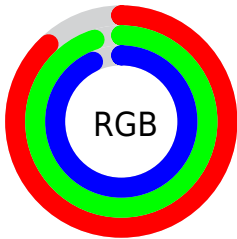
Format	Color
R _Y B	225, 235, 242
Decimal	14807788
CIE Lab	94.13, -6.70, 0.95
CIE LCh	94, 6.766, 171.891
Yxy	85.5679, 0.3053, 0.3352
Android (android.graphics.Color)	4292997868 (0xFFE1F2EC)
YUV	236.2330, -0.1149, -9.8513
Hunter-Lab	92.5029, -11.4910, 5.9311

Details

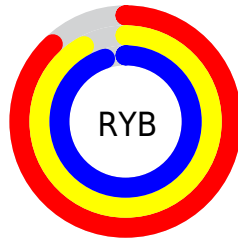
The Yxy color **85.5679, 0.3053, 0.3352** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.4771, 0.3207, 0.3229**, and the grayscale version is **84.0721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9591, 0.3041, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **81.4707, 0.2951, 0.3448**, and if you desaturate by 10%, it is **90.2473, 0.3159, 0.3265**.

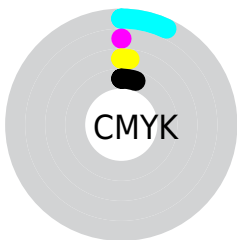
Distribution



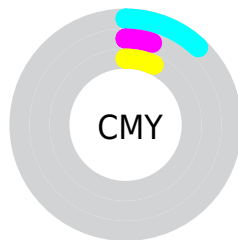
- Red (88%)
- Green (95%)
- Blue (93%)



- Red (88%)
- Yellow (92%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)





- Cyan (12%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5679, 0.3053, 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 85.5679, 0.3053, 0.3352 by changing the saturation by 10% instead.

 85.5679, 0.3053,
0.3352

 85.5679, 0.3053,
0.3352


513.5053, 0.3086,
0.3324

 64.3107, 0.3046,
0.3358

141.1663, 0.3064,
0.3342

 46.9024, 0.3036,
0.3366


176.2764, 0.3069,
0.3339

 32.9585, 0.3025,
0.3375


216.7729, 0.3073,
0.3335

 22.0947, 0.3010,
0.3388

263.0402, 0.3076,
0.3333

 13.9265, 0.2991,
0.3404

315.4627, 0.3079,
0.3330

 8.0695, 0.2964,
0.3427

374.4248, 0.3082,

 4.1395, 0.2923,

0.3328

0.3462

440.3109, 0.3084,
0.3326

■ 1.7519, 0.2854,
0.3520

■ 0.4569, 0.2337,
0.3944

■ 85.5679, 0.3053,
0.3352

■ 85.5679, 0.3053,
0.3352

■ 81.4707, 0.2951,
0.3448

■ 90.2473, 0.3159,
0.3265


■ 77.9213, 0.2854,
0.3554


■ 91.8690, 0.3145,
0.3184


■ 74.8984, 0.2766,
0.3670

■ 91.9936, 0.3133,
0.3166


■ 72.3750, 0.2690,
0.3793

 70.3215, 0.2630,
0.3924

 68.7054, 0.2587,
0.4059

 67.4896, 0.2564,
0.4196

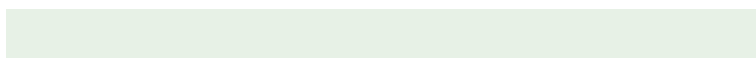
 66.6307, 0.2561,
0.4334

 66.0731, 0.2578,
0.4468

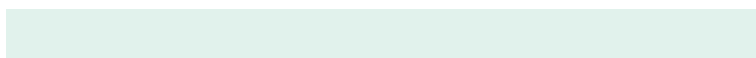
Harmonies

Analogous

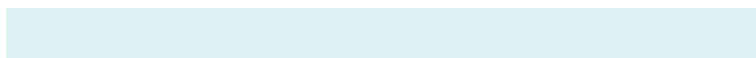
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5679, 0.3128, 0.3404



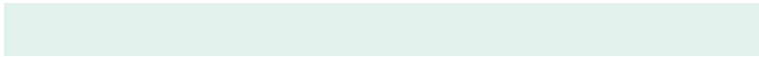
85.5679, 0.3053, 0.3352



85.5679, 0.2998, 0.3283

Triad

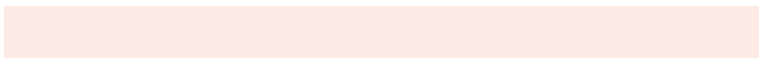
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5679, 0.3053, 0.3352



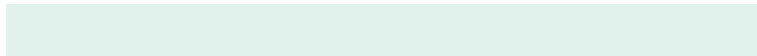
85.5679, 0.3050, 0.3158



85.5679, 0.3279, 0.3361

Complementary

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



85.5679, 0.3053, 0.3352



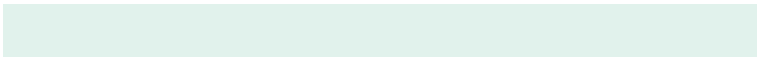
78.4771, 0.3207, 0.3229

Split Complementary

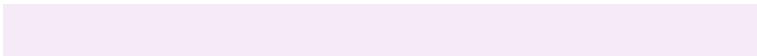
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5679, 0.3258, 0.3295



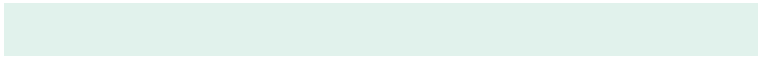
85.5679, 0.3053, 0.3352



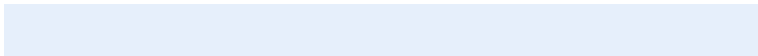
85.5679, 0.3125, 0.3180

Square

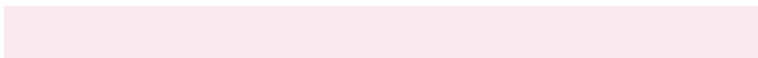
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



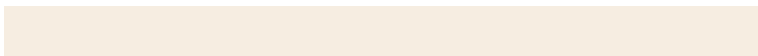
85.5679, 0.3053, 0.3352



85.5679, 0.2996, 0.3172



85.5679, 0.3201, 0.3229



85.5679, 0.3259, 0.3409

Rectangle

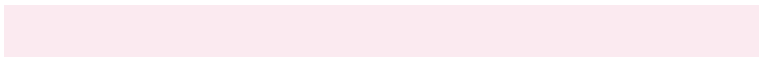
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



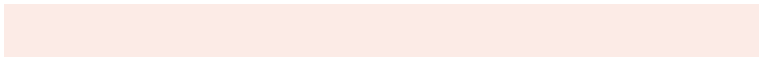
85.5679, 0.3053, 0.3352



85.5679, 0.2980, 0.3237



85.5679, 0.3201, 0.3229



85.5679, 0.3277, 0.3340

Sweetspot

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



85.5715, 0.3053, 0.3352



98.9304, 0.3106, 0.3307



85.9723, 0.3160, 0.3467



21.1864, 0.3107, 0.3306



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.



85.5715, 0.3053, 0.3352



95.8800, 0.3043, 0.3361



84.5812, 0.3018, 0.3266



17.8289, 0.3028, 0.3374



35.4454, 0.2579, 0.4485



2.9675, 0.2530, 0.4308

Inverse Universe

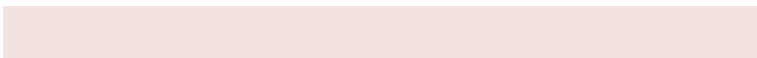
The Inverse Universe completely reimagines the original color for something new.



78.4771, 0.3207, 0.3229



86.8458, 0.3219, 0.3220



79.3810, 0.3245, 0.3314



15.8508, 0.3238, 0.3207



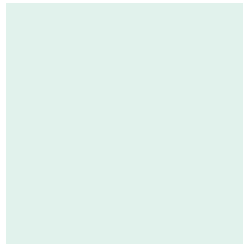
10.5188, 0.5568, 0.2841



0.8933, 0.5203, 0.2640

Previews

White Background



This preview shows how the Yxy color 85.5679, 0.3053, 0.3352 looks on a white background.

Color Contrast Check

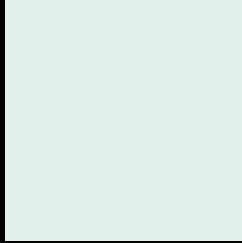
Large Text (above 18pt) WCAG AA × Fail

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 85.5679, 0.3053, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

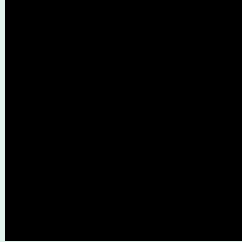
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

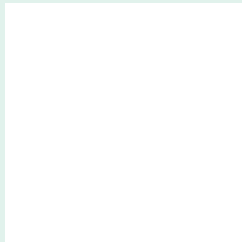
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5679, 0.3053, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 85.5679, 0.3053, 0.3352.

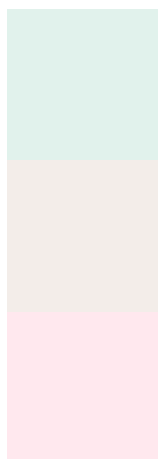


This preview shows how white text looks on a background with the Yxy color 85.5679, 0.3053, 0.3352.

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

85.5679, 0.3053, 0.3352

Protanopia

85.5063, 0.3192, 0.3331

Deuteranopia

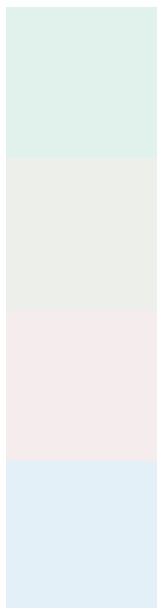
85.1463, 0.3246, 0.3231



Tritanopia

85.7760, 0.2974, 0.3128

Trichromacy



Original Color

85.5679, 0.3053, 0.3352

Protanomaly

85.5064, 0.3138, 0.3341

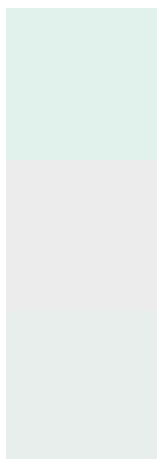
Deuteranomaly

85.3384, 0.3174, 0.3280

Tritanomaly

85.5915, 0.3002, 0.3208

Monochromacy



Original Color

85.5679, 0.3053, 0.3352

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.3610, 0.3100, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5679, 0.3053, 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(225, 242, 236)` looks like.

```
.text, #text, p{  
    color:rgb(225, 242, 236)  
}
```

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(225, 242, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 242, 236) }
```

Border

The CSS property to change the border of an element to Yxy 85.5679, 0.3053, 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(225, 242, 236) }
```

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

```
.border{ border-color:rgb(225, 242, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 242, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(225, 242,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5679, 0.3053, 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(225, 242, 236) }
```

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

```
.background{ background-color: rgb(225,  
242, 236) }
```

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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