

Converting Colors

$Yxy(86.3157, 0.3175, 0.3415)$

Have a look what the booklet for
Yxy(86.3157, 0.3175, 0.3415)
contains.

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Color

Yxy(86.5166, 0.3180, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	EDF1E4
RGB	237, 241, 228
RGB Percent	93%, 95%, 89%
CMY	0.0707, 0.0548, 0.1059
CMYK	0.02, 0.00, 0.05, 0.05
HSL	79°, 32%, 92%
HSV	79°, 5%, 95%
XYZ	80.3748, 86.5166, 85.8594
YIQ	238.3220, 1.7890, -4.8910

Conversions

Conversions Part 2

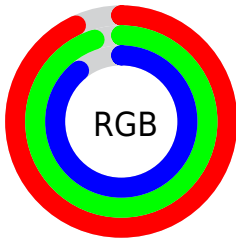
Format	Color
R _Y B	228, 241, 232
Decimal	15593956
CIE Lab	94.53, -3.61, 5.80
CIE LCh	95, 6.834, 121.919
Yxy	86.5166, 0.3180, 0.3423
Android (android.graphics.Color)	4293784036 (0xFFEDF1E4)
YUV	238.3220, -5.0887, -1.1594
Hunter-Lab	93.0143, -8.5311, 10.3807

Details

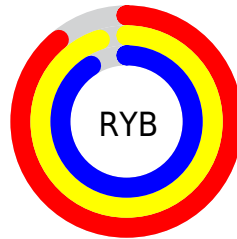
The Yxy color **86.5166, 0.3180, 0.3423** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.0018, 0.3072, 0.3156**, and the grayscale version is **85.8002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5388, 0.3187, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **84.0099, 0.3279, 0.3682**, and if you desaturate by 10%, it is **89.2714, 0.3083, 0.3181**.

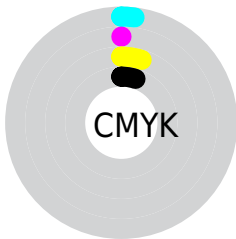
Distribution



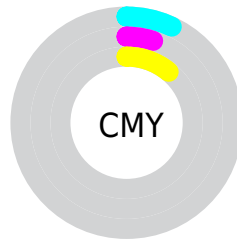
- Red (93%)
- Green (95%)
- Blue (89%)



- Red (89%)
- Yellow (95%)
- Blue (91%)



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





- Cyan (7%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5166, 0.3180, 0.3423 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 86.5166, 0.3180, 0.3423 by changing the saturation by 10% instead.


 86.5166, 0.3180,
0.3423

 86.5166, 0.3180,
0.3423

516.6331, 0.3157,
0.3363

 65.0952, 0.3185,
0.3436


142.4902, 0.3172,
0.3402

 47.5383, 0.3191,
0.3453


177.8112, 0.3169,
0.3394

 33.4614, 0.3199,
0.3473


218.5342, 0.3166,
0.3387

 22.4802, 0.3209,
0.3500

265.0436, 0.3164,
0.3381

 14.2101, 0.3222,
0.3535

317.7238, 0.3162,
0.3376

 8.2670, 0.3241,
0.3585

376.9592, 0.3160,

 4.2662, 0.3267,

0.3371

0.3660

443.1342, 0.3158,
0.3367

■ 1.8236, 0.3310,
0.3786

■ 0.5018, 0.3769,
0.4865

■ 86.5166, 0.3180,
0.3423

■ 86.5166, 0.3180,
0.3423

■ 84.0099, 0.3279,
0.3682

■ 89.2714, 0.3083,
0.3181

■ 81.7317, 0.3377,
0.3954

■ 90.8292, 0.3114,
0.3155

■ 79.6768, 0.3469,
0.4233

■ 91.4004, 0.3133,
0.3156

■ 77.8359, 0.3552,
0.4509

■ 76.1985, 0.3620,
0.4771

■ 74.7533, 0.3668,
0.5006

■ 73.4875, 0.3691,
0.5203

■ 72.3864, 0.3689,
0.5353

■ 71.4318, 0.3663,
0.5453

Harmonies

Analogous

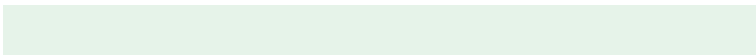
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5166, 0.3245, 0.3419



86.5166, 0.3180, 0.3423



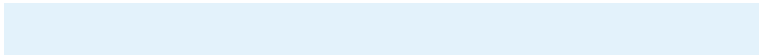
86.5166, 0.3102, 0.3390

Triad

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



86.5166, 0.3180, 0.3423



86.5166, 0.2979, 0.3198



86.5166, 0.3224, 0.3250

Complementary

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



86.5166, 0.3180, 0.3423



79.0018, 0.3072, 0.3156

Split Complementary

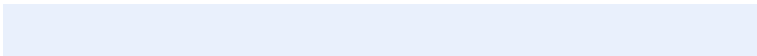
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5166, 0.3151, 0.3193



86.5166, 0.3180, 0.3423



86.5166, 0.3010, 0.3163

Square

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



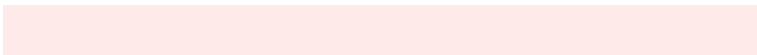
86.5166, 0.3180, 0.3423



86.5166, 0.2986, 0.3259



86.5166, 0.3073, 0.3161



86.5166, 0.3270, 0.3318

Rectangle

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



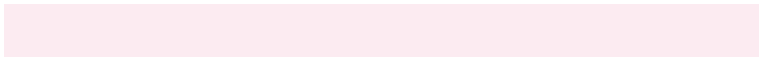
86.5166, 0.3180, 0.3423



86.5166, 0.3052, 0.3352



86.5166, 0.3073, 0.3161



86.5166, 0.3202, 0.3229

Sweetspot

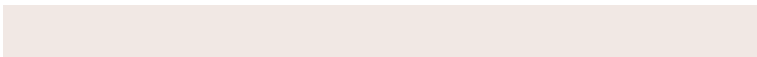
The Sweet Spot groups the original color and five complimentary colors.



86.5203, 0.3180, 0.3423



99.3761, 0.3147, 0.3339



81.9641, 0.3214, 0.3330



21.2771, 0.3146, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

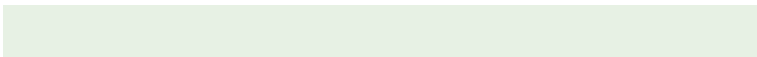
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5203, 0.3180, 0.3423



98.1617, 0.3186, 0.3439



85.4445, 0.3138, 0.3425



18.3533, 0.3192, 0.3454



38.5865, 0.3655, 0.5480



3.2625, 0.3727, 0.5423

Inverse Universe

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



79.0018, 0.3072, 0.3156



88.6793, 0.3066, 0.3140



80.0864, 0.3116, 0.3158



16.4042, 0.3059, 0.3124



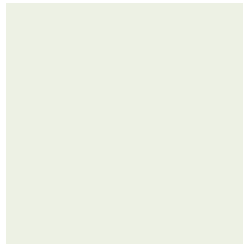
4.3176, 0.1716, 0.0719



0.4099, 0.1856, 0.0796

Previews

White Background



This preview shows how the Yxy color 86.5166, 0.3180, 0.3423 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 86.5166, 0.3180, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

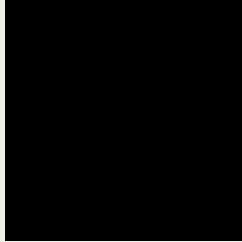
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

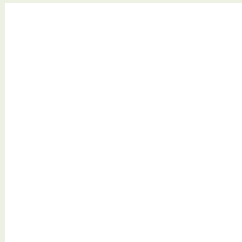
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5166, 0.3180, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 86.5166, 0.3180, 0.3423.

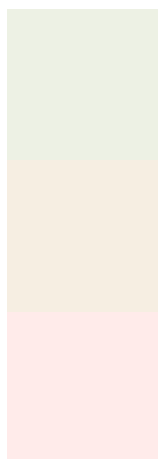


This preview shows how white text looks on a background with the Yxy color 86.5166, 0.3180, 0.3423.

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

86.5166, 0.3180, 0.3423

Protanopia

86.2329, 0.3256, 0.3411

Deuteranopia

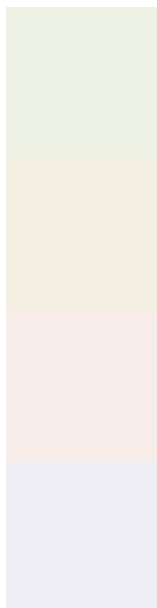
86.6172, 0.3269, 0.3300



Tritanopia

86.4891, 0.3044, 0.3112

Trichromacy



Original Color

86.5166, 0.3180, 0.3423

Protanomaly

86.3337, 0.3228, 0.3412

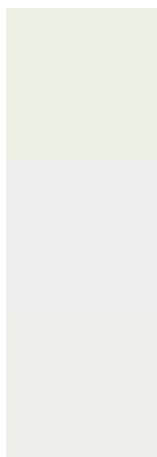
Deuteranomaly

86.3510, 0.3232, 0.3340

Tritanomaly

86.2669, 0.3098, 0.3220

Monochromacy



Original Color

86.5166, 0.3180, 0.3423

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.8507, 0.3151, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5166, 0.3180, 0.3423 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(237, 241, 228)` looks like.

```
.text, #text, p{  
    color:rgb(237, 241, 228)  
}
```

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(237, 241, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 241, 228) }
```

Border

The CSS property to change the border of an element to Yxy 86.5166, 0.3180, 0.3423 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(237, 241, 228) }
```

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

```
.border{ border-color:rgb(237, 241, 228) }
```

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

Here you see how a box with a 4 pixel rgb(237, 241, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 241, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 241, 228);  
box-shadow:4px 4px 4px 4px rgb(237, 241,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5166, 0.3180, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 241, 228) }
```

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

```
.background{ background-color: rgb(237,  
241, 228) }
```

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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