

Converting Colors

$Y_{xy}(82.2878, 0.3152, 0.3389)$

Have a look what the booklet for
Yxy(82.2878, 0.3152, 0.3389)
contains.

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Color

Yxy(82.4708, 0.3156, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	E7ECE2
RGB	231, 236, 226
RGB Percent	91%, 93%, 89%
CMY	0.0940, 0.0745, 0.1137
CMYK	0.02, 0.00, 0.04, 0.07
HSL	90°, 21%, 91%
HSV	90°, 4%, 93%
XYZ	76.6876, 82.4708, 83.8315
YIQ	233.3650, 0.2300, -4.1700

Conversions

Conversions Part 2

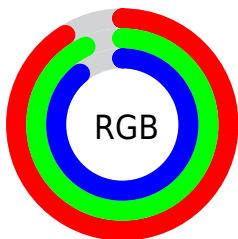
Format	Color
R _Y B	226, 236, 231
Decimal	15199458
CIE Lab	92.78, -3.41, 4.25
CIE LCh	93, 5.449, 128.761
Yxy	82.4708, 0.3156, 0.3394
Android (android.graphics.Color)	4293389538 (0xFFE7ECE2)
YUV	233.3650, -3.6309, -2.0741
Hunter-Lab	90.8134, -8.1887, 8.8377

Details

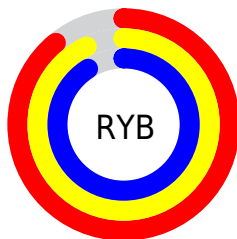
The Yxy color **82.4708, 0.3156, 0.3394** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4344, 0.3097, 0.3186**, and the grayscale version is **81.8089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6968, 0.3156, 0.3411** is the 20% darker color. If you saturate the color by 10%, you get **79.3829, 0.3224, 0.3655**, and if you desaturate by 10%, it is **85.8744, 0.3088, 0.3155**.

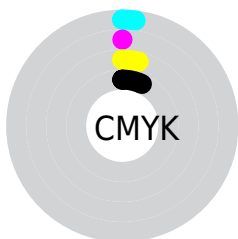
Distribution



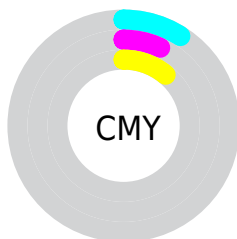
- Red (91%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4708, 0.3156, 0.3394 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 82.4708, 0.3156, 0.3394 by changing the saturation by 10% instead.

■ 82.4708, 0.3156,
0.3394

■ 82.4708, 0.3156,
0.3394

503.2211, 0.3143,
0.3347

■ 61.7537, 0.3159,
0.3405

136.8340, 0.3152,
0.3378

■ 44.8337, 0.3162,
0.3418

171.2489, 0.3150,
0.3371

■ 31.3265, 0.3167,
0.3434

210.9985, 0.3148,
0.3366

■ 20.8476, 0.3172,
0.3455

256.4673, 0.3147,
0.3361

■ 13.0126, 0.3180,
0.3484

308.0395, 0.3146,
0.3357

■ 7.4372, 0.3190,
0.3525

366.0996, 0.3145,

■ 3.7370, 0.3205,

0.3353

0.3587

431.0320, 0.3144,
0.3350

■ 1.5276, 0.3230,
0.3695

■ 0.3080, 0.3769,
0.5541

■ 82.4708, 0.3156,
0.3394

■ 82.4708, 0.3156,
0.3394

■ 79.3829, 0.3224,
0.3655

■ 85.8744, 0.3088,
0.3155

■ 76.5903, 0.3290,
0.3937

■ 88.3637, 0.3132,
0.3107

■ 74.0862, 0.3351,
0.4232

■ 88.4675, 0.3136,
0.3107

■ 71.8596, 0.3403,
0.4533

■ 69.8987, 0.3441,
0.4828

■ 68.1905, 0.3462,
0.5102

■ 66.7209, 0.3461,
0.5340

■ 65.4737, 0.3437,
0.5528

■ 64.4297, 0.3393,
0.5659

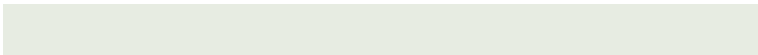
Harmonies

Analogous

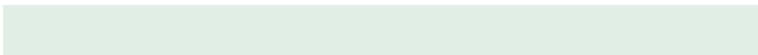
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4708, 0.3212, 0.3398



82.4708, 0.3156, 0.3394



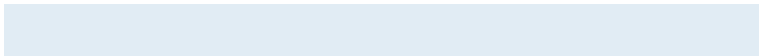
82.4708, 0.3092, 0.3362

Triad

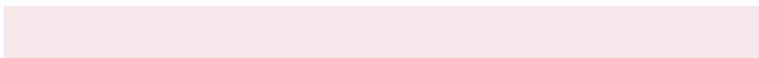
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4708, 0.3156, 0.3394



82.4708, 0.3010, 0.3207



82.4708, 0.3216, 0.3270

Complementary

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



82.4708, 0.3156, 0.3394



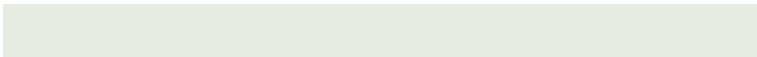
77.4344, 0.3097, 0.3186

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.



82.4708, 0.3161, 0.3220



82.4708, 0.3156, 0.3394



82.4708, 0.3042, 0.3184

Square

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



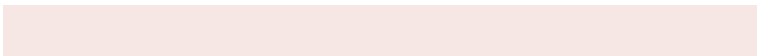
82.4708, 0.3156, 0.3394



82.4708, 0.3008, 0.3253



82.4708, 0.3098, 0.3189



82.4708, 0.3248, 0.3326

Rectangle

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



82.4708, 0.3156, 0.3394



82.4708, 0.3055, 0.3328



82.4708, 0.3098, 0.3189



82.4708, 0.3200, 0.3252

Sweetspot

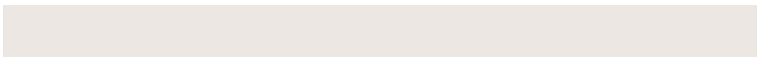
The Sweet Spot groups the original color and five complimentary colors.



82.4744, 0.3156, 0.3394



99.5977, 0.3134, 0.3314



80.3820, 0.3193, 0.3340



21.3223, 0.3134, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

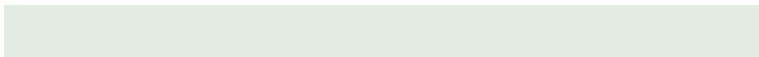
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4744, 0.3156, 0.3394



98.0260, 0.3161, 0.3414



81.6755, 0.3123, 0.3395



17.4887, 0.3166, 0.3430



35.3045, 0.3372, 0.5704



2.8295, 0.3477, 0.5621

Inverse Universe

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



77.4344, 0.3097, 0.3186



90.9348, 0.3092, 0.3166



78.2554, 0.3131, 0.3187



16.0608, 0.3087, 0.3150



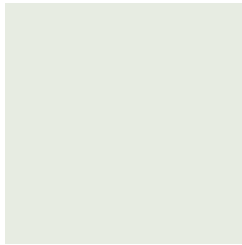
5.5023, 0.2017, 0.0885



0.4892, 0.2167, 0.0968

Previews

White Background



This preview shows how the Yxy color 82.4708, 0.3156, 0.3394 looks on a white background.

Color Contrast Check

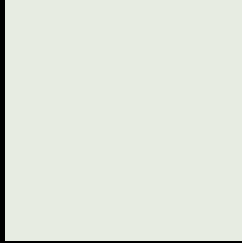
Large Text (above 18pt) WCAG AA × Fail

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 82.4708, 0.3156, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

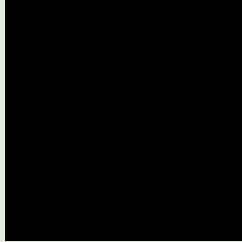
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

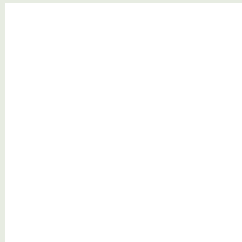
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4708, 0.3156, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 82.4708, 0.3156, 0.3394.

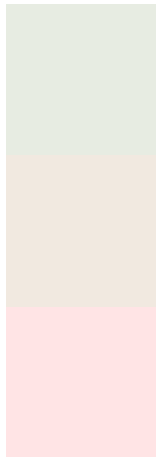


This preview shows how white text looks on a background with the Yxy color 82.4708, 0.3156, 0.3394.

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

82.4708, 0.3156, 0.3394

Protanopia

82.3604, 0.3239, 0.3382

Deuteranopia

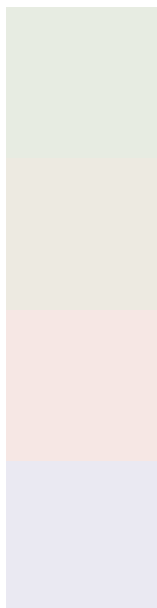
82.4039, 0.3309, 0.3281



Tritanopia

82.3404, 0.3030, 0.3098

Trichromacy



Original Color

82.4708, 0.3156, 0.3394

Protanomaly

82.2864, 0.3204, 0.3383

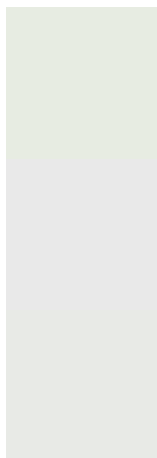
Deuteranomaly

82.3461, 0.3250, 0.3321

Tritanomaly

82.1811, 0.3078, 0.3198

Monochromacy



Original Color

82.4708, 0.3156, 0.3394

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7146, 0.3139, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4708, 0.3156, 0.3394 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(231, 236, 226) looks like.

```
.text, #text, p{  
    color:rgb(231, 236, 226)  
}
```

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(231, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 236, 226) }
```

Border

The CSS property to change the border of an element to Yxy 82.4708, 0.3156, 0.3394 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(231, 236, 226) }
```

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

```
.border{ border-color:rgb(231, 236, 226) }
```

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

Here you see how a box with a 4 pixel rgb(231, 236, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 236,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4708, 0.3156, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 236, 226) }
```

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

```
.background{ background-color: rgb(231,  
236, 226) }
```

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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