

Converting Colors

$Yxy(81.1361, 0.3193, 0.3410)$

Have a look what the booklet for
Yxy(81.1361, 0.3193, 0.3410)
contains.

Yxy(81.4432, 0.3196, 0.3415)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.4432, 0.3196, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	E9EADE
RGB	233, 234, 222
RGB Percent	91%, 92%, 87%
CMY	0.0862, 0.0824, 0.1293
CMYK	0.00, 0.00, 0.05, 0.08
HSL	65°, 22%, 89%
HSV	65°, 5%, 92%
XYZ	76.2203, 81.4432, 80.8231
YIQ	232.3330, 3.2560, -3.9440

Conversions

Conversions Part 2

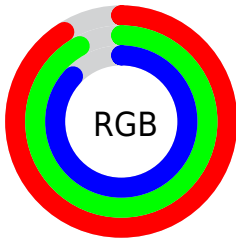
Format	Color
R _Y B	222, 234, 223
Decimal	15330014
CIE Lab	92.33, -2.40, 5.69
CIE LCh	92, 6.173, 112.910
Yxy	81.4432, 0.3196, 0.3415
Android (android.graphics.Color)	4293520094 (0xFFE9EADE)
YUV	232.3330, -5.0942, 0.5850
Hunter-Lab	90.2459, -7.1718, 10.0727

Details

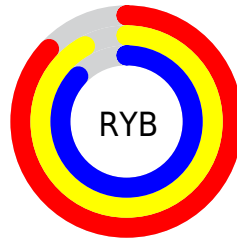
The Yxy color **81.4432, 0.3196, 0.3415** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **73.8797, 0.3056, 0.3162**, and the grayscale version is **81.0012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9779, 0.3208, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **79.9609, 0.3333, 0.3667**, and if you desaturate by 10%, it is **83.1101, 0.3063, 0.3174**.

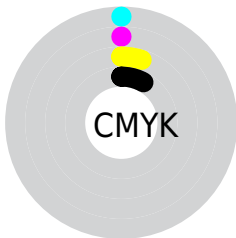
Distribution



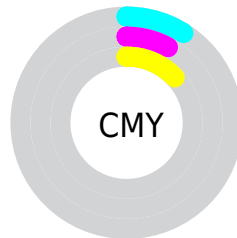
- Red (91%)
- Green (92%)
- Blue (87%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4432, 0.3196, 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 81.4432, 0.3196, 0.3415 by changing the saturation by 10% instead.

81.4432, 0.3196,
0.3415

81.4432, 0.3196,
0.3415

499.7833, 0.3165,
0.3358

60.9067, 0.3203,
0.3428

135.3929, 0.3185,
0.3395

44.1499, 0.3211,
0.3444

169.5749, 0.3181,
0.3388

30.7883, 0.3222,
0.3463

209.0741, 0.3178,
0.3381

20.4377, 0.3236,
0.3489

254.2750, 0.3174,
0.3375

12.7136, 0.3254,
0.3524

305.5620, 0.3172,
0.3370

7.2316, 0.3280,
0.3573

363.3195, 0.3169,

3.6074, 0.3319,

0.3366

0.3648

427.9318, 0.3167,
0.3362

■ 1.4565, 0.3383,
0.3778

■ 0.2578, 0.4196,
0.5804

■ 81.4432, 0.3196,
0.3415

■ 81.4432, 0.3196,
0.3415

■ 79.9609, 0.3333,
0.3667

■ 83.1101, 0.3063,
0.3174

■ 78.6455, 0.3472,
0.3924


■ 84.0354, 0.3017,
0.3080


■ 77.4929, 0.3606,
0.4179


■ 84.3624, 0.3030,
0.3081


■ 76.4948, 0.3731,
0.4423

■ 84.6929, 0.3042,
0.3081


 75.6423, 0.3842,
0.4644

 85.0268, 0.3054,
0.3082


 74.9256, 0.3932,
0.4833


 85.3642, 0.3067,
0.3083

 74.3334, 0.3997,
0.4982

 85.7050, 0.3079,
0.3084

 73.8528, 0.4036,
0.5086

 86.0494, 0.3091,
0.3085

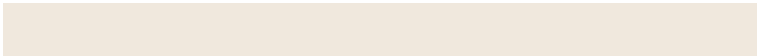
 73.4679, 0.4050,
0.5147

 86.3972, 0.3104,
0.3085

Harmonies

Analogous

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



81.4432, 0.3248, 0.3401



81.4432, 0.3196, 0.3415



81.4432, 0.3126, 0.3395

Triad

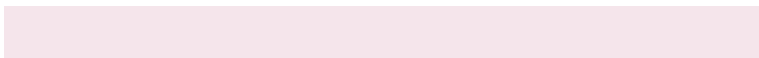
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4432, 0.3196, 0.3415



81.4432, 0.2988, 0.3220



81.4432, 0.3198, 0.3236

Complementary

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



81.4432, 0.3196, 0.3415



73.8797, 0.3056, 0.3162

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.



81.4432, 0.3128, 0.3189



81.4432, 0.3196, 0.3415



81.4432, 0.3007, 0.3179

Square

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



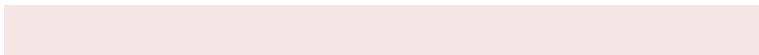
81.4432, 0.3196, 0.3415



81.4432, 0.3006, 0.3281



81.4432, 0.3058, 0.3168



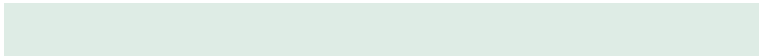
81.4432, 0.3250, 0.3297

Rectangle

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



81.4432, 0.3196, 0.3415



81.4432, 0.3078, 0.3364



81.4432, 0.3058, 0.3168



81.4432, 0.3176, 0.3218

Sweetspot

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



81.4467, 0.3196, 0.3415



99.5977, 0.3154, 0.3339



75.4453, 0.3212, 0.3299



21.3222, 0.3153, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

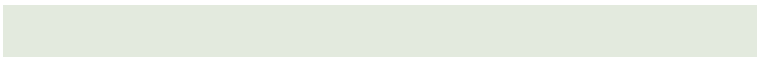
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4467, 0.3196, 0.3415



98.8196, 0.3208, 0.3438



80.4834, 0.3156, 0.3416



17.6554, 0.3217, 0.3452



41.2198, 0.4053, 0.5164



3.2551, 0.4073, 0.5148

Inverse Universe

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



73.8797, 0.3056, 0.3162



88.0534, 0.3043, 0.3139



74.8198, 0.3097, 0.3164



15.5469, 0.3035, 0.3123



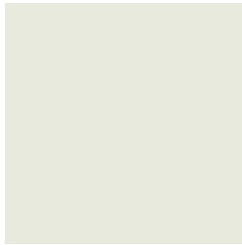
3.4368, 0.1526, 0.0614



0.2901, 0.1593, 0.0651

Previews

White Background



This preview shows how the Yxy color 81.4432, 0.3196, 0.3415 looks on a white background.

Color Contrast Check

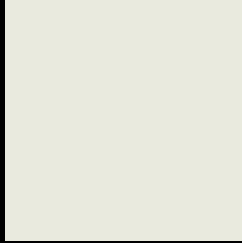
Large Text (above 18pt) WCAG AA × Fail

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 81.4432, 0.3196, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

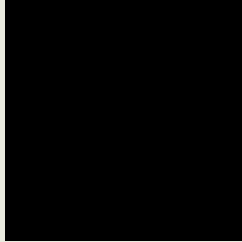
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

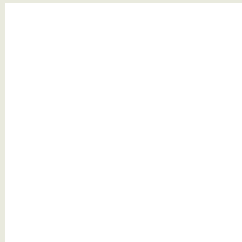
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4432, 0.3196, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 81.4432, 0.3196, 0.3415.

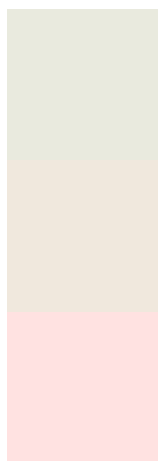


This preview shows how white text looks on a background with the Yxy color 81.4432, 0.3196, 0.3415.

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

81.4432, 0.3196, 0.3415

Protanopia

81.4589, 0.3253, 0.3404

Deuteranopia

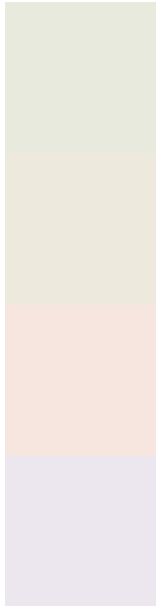
81.0890, 0.3339, 0.3301



Tritanopia

81.3755, 0.3062, 0.3108

Trichromacy



Original Color

81.4432, 0.3196, 0.3415

Protanomaly

81.5028, 0.3231, 0.3415

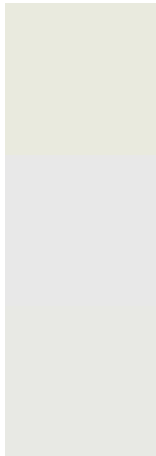
Deuteranomaly

81.1946, 0.3285, 0.3341

Tritanomaly

81.2167, 0.3111, 0.3208

Monochromacy



Original Color

81.4432, 0.3196, 0.3415

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.0351, 0.3152, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4432, 0.3196, 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(233, 234, 222)` looks like.

```
.text, #text, p{  
    color:rgb(233, 234, 222)  
}
```

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(233, 234, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 234, 222) }
```

Border

The CSS property to change the border of an element to Yxy 81.4432, 0.3196, 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(233, 234, 222) }
```

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

```
.border{ border-color:rgb(233, 234, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 234, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 234, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 234, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 234,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4432, 0.3196, 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(233, 234, 222) }
```

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

```
.background{ background-color: rgb(233,  
234, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor