

Converting Colors

$Yxy(81.3909, 0.3201, 0.3375)$

Have a look what the booklet for
Yxy(81.3909, 0.3201, 0.3375)
contains.

Yxy(81.5469, 0.3198, 0.3373)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.5469, 0.3198, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	ECE9E1
RGB	236, 233, 225
RGB Percent	93%, 91%, 88%
CMY	0.0746, 0.0862, 0.1176
CMYK	0.00, 0.01, 0.05, 0.07
HSL	44°, 22%, 90%
HSV	44°, 5%, 93%
XYZ	77.3160, 81.5469, 82.9008
YIQ	232.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

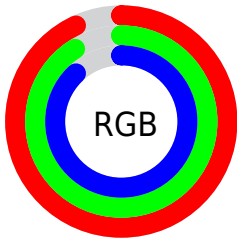
Format	Color
R _Y B	229, 236, 225
Decimal	15526369
CIE Lab	92.37, -0.39, 4.23
CIE LCh	92, 4.244, 95.215
Yxy	81.5469, 0.3198, 0.3373
Android (android.graphics.Color)	4293716449 (0xFFECE9E1)
YUV	232.9850, -3.9366, 2.6442
Hunter-Lab	90.3033, -5.2024, 8.7826

Details

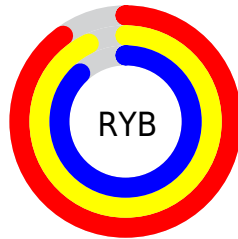
The Yxy color **81.5469, 0.3198, 0.3373** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.5328, 0.3056, 0.3206**, and the grayscale version is **81.5014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0499, 0.3211, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **76.8045, 0.3361, 0.3558**, and if you desaturate by 10%, it is **86.6049, 0.3050, 0.3197**.

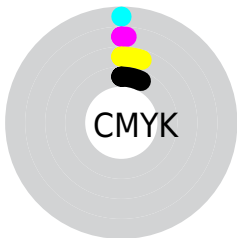
Distribution



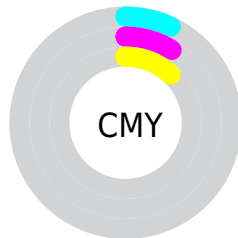
- Red (93%)
- Green (91%)
- Blue (88%)



- Red (90%)
- Yellow (93%)
- Blue (88%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5469, 0.3198, 0.3373 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 81.5469, 0.3198, 0.3373 by changing the saturation by 10% instead.

81.5469, 0.3198,
0.3373

81.5469, 0.3198,
0.3373

500.1308, 0.3166,
0.3335

60.9921, 0.3205,
0.3381

135.5384, 0.3187,
0.3360

44.2188, 0.3214,
0.3392

169.7440, 0.3183,
0.3355

30.8426, 0.3225,
0.3405

209.2685, 0.3179,
0.3351

20.4790, 0.3239,
0.3422

254.4965, 0.3176,
0.3347

12.7437, 0.3259,
0.3444

305.8124, 0.3173,
0.3343

7.2523, 0.3286,
0.3476

363.6004, 0.3170,

3.6204, 0.3327,

0.3340

428.2451, 0.3168,
0.3338

0.3525

1.4636, 0.3397,
0.3608

0.2629, 0.4777,
0.5223

81.5469, 0.3198,
0.3373

81.5469, 0.3198,
0.3373

76.8045, 0.3361,
0.3558

86.6049, 0.3050,
0.3197

72.3584, 0.3537,
0.3749

90.8181, 0.3012,
0.3198

68.2030, 0.3724,
0.3940

94.7592, 0.3011,
0.3262

64.3287, 0.3917,
0.4125

96.5691, 0.3011,
0.3290

■ 60.7247, 0.4111,
0.4293

■ 57.3798, 0.4298,
0.4434

■ 54.2810, 0.4468,
0.4537

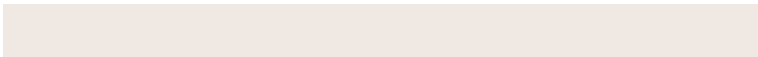
■ 51.4137, 0.4613,
0.4593

■ 48.7604, 0.4727,
0.4600

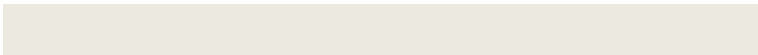
Harmonies

Analogous

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



81.5469, 0.3222, 0.3351



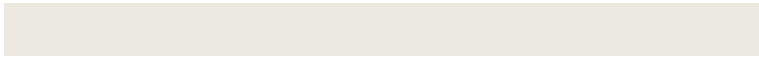
81.5469, 0.3198, 0.3373



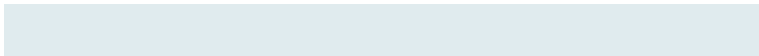
81.5469, 0.3156, 0.3373

Triad

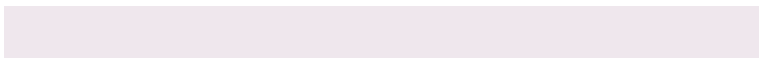
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5469, 0.3198, 0.3373



81.5469, 0.3036, 0.3266



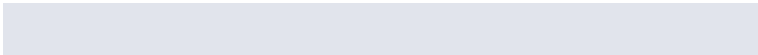
81.5469, 0.3148, 0.3232

Complementary

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



81.5469, 0.3198, 0.3373



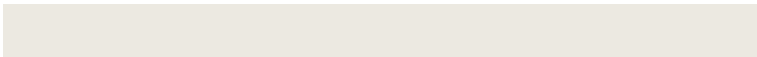
77.5328, 0.3056, 0.3206

Split Complementary

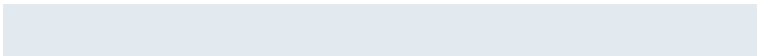
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5469, 0.3098, 0.3209



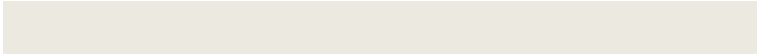
81.5469, 0.3198, 0.3373



81.5469, 0.3034, 0.3229

Square

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



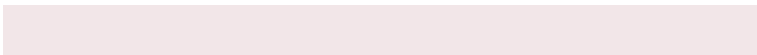
81.5469, 0.3198, 0.3373



81.5469, 0.3062, 0.3311



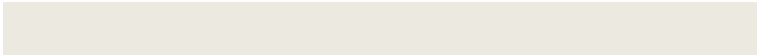
81.5469, 0.3057, 0.3208



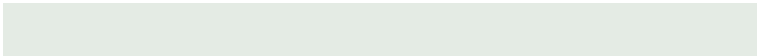
81.5469, 0.3193, 0.3269

Rectangle

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



81.5469, 0.3198, 0.3373



81.5469, 0.3122, 0.3360



81.5469, 0.3057, 0.3208



81.5469, 0.3132, 0.3222

Sweetspot

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



81.5504, 0.3198, 0.3373



99.3980, 0.3142, 0.3308



77.2893, 0.3184, 0.3258



21.2816, 0.3141, 0.3307



0.0000, 0.0000, 0.0000



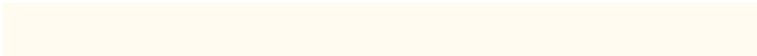
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5504, 0.3198, 0.3373



96.4439, 0.3220, 0.3398



82.8395, 0.3180, 0.3404



17.1888, 0.3229, 0.3409



26.3668, 0.4766, 0.4597



2.2282, 0.4669, 0.4675

Inverse Universe

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



77.5328, 0.3056, 0.3206



90.2945, 0.3035, 0.3180



76.3003, 0.3073, 0.3175



15.9844, 0.3026, 0.3168



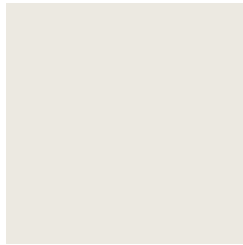
5.5284, 0.1593, 0.0933



0.5890, 0.1666, 0.1199

Previews

White Background



This preview shows how the Yxy color 81.5469, 0.3198, 0.3373 looks on a white background.

Color Contrast Check

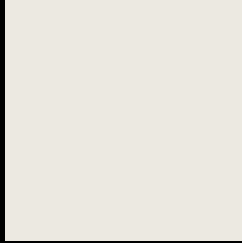
Large Text (above 18pt) WCAG AA × Fail

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 81.5469, 0.3198, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

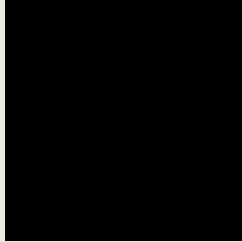
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

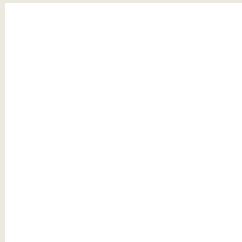
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5469, 0.3198, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 81.5469, 0.3198, 0.3373.

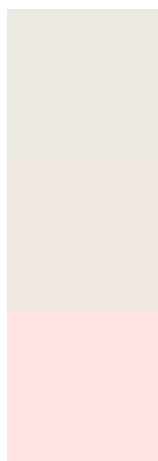


This preview shows how white text looks on a background with the Yxy color 81.5469, 0.3198, 0.3373.

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

81.5469, 0.3198, 0.3373

Protanopia

81.4458, 0.3226, 0.3373

Deuteranopia

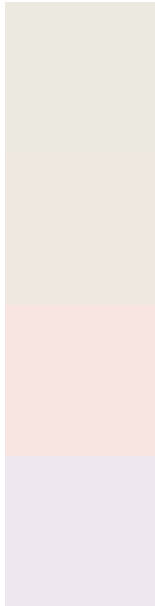
81.1988, 0.3325, 0.3281



Tritanopia

81.7217, 0.3075, 0.3109

Trichromacy



Original Color

81.5469, 0.3198, 0.3373

Protanomaly

81.2722, 0.3219, 0.3373

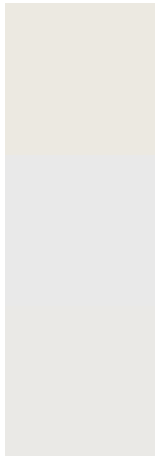
Deuteranomaly

81.4861, 0.3279, 0.3321

Tritanomaly

81.6202, 0.3118, 0.3198

Monochromacy



Original Color

81.5469, 0.3198, 0.3373

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4834, 0.3153, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5469, 0.3198, 0.3373 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(236, 233, 225)` looks like.

```
.text, #text, p{  
    color:rgb(236, 233, 225)  
}
```

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(236, 233, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 233, 225) }
```

Border

The CSS property to change the border of an element to Yxy 81.5469, 0.3198, 0.3373 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(236, 233, 225) }
```

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

```
.border{ border-color:rgb(236, 233, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 233, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 233, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 233, 225);  
box-shadow:4px 4px 4px 4px rgb(236, 233,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5469, 0.3198, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 233, 225) }
```

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

```
.background{ background-color: rgb(236,  
233, 225) }
```

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