

Converting Colors

$Yxy(82.5342, 0.3179, 0.3352)$

Have a look what the booklet for
Yxy(82.5342, 0.3179, 0.3352)
contains.

Yxy(82.2799, 0.3178, 0.3352)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.2799, 0.3178, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	ECEAE4
RGB	236, 234, 228
RGB Percent	93%, 92%, 89%
CMY	0.0747, 0.0823, 0.1058
CMYK	0.00, 0.01, 0.03, 0.07
HSL	45°, 17%, 91%
HSV	45°, 3%, 93%
XYZ	78.0088, 82.2799, 85.1764
YIQ	233.9140, 3.1180, -1.4420

Conversions

Conversions Part 2

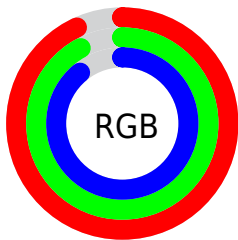
Format	Color
R _Y B	231, 236, 228
Decimal	15526628
CIE Lab	92.70, -0.39, 3.13
CIE LCh	93, 3.153, 97.128
Yxy	82.2799, 0.3178, 0.3352
Android (android.graphics.Color)	4293716708 (0xFFECEAE4)
YUV	233.9140, -2.9156, 1.8294
Hunter-Lab	90.7083, -5.2301, 7.8216

Details

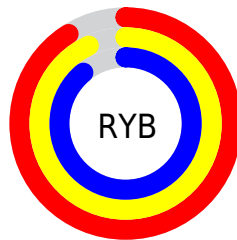
The Yxy color $82.2799, 0.3178, 0.3352$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $79.1164, 0.3076, 0.3227$, and the grayscale version is $82.2301, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.5612, 0.3185, 0.3357$ is the 20% darker color. If you saturate the color by 10%, you get $77.8337, 0.3338, 0.3542$, and if you desaturate by 10%, it is $87.0187, 0.3032, 0.3171$.

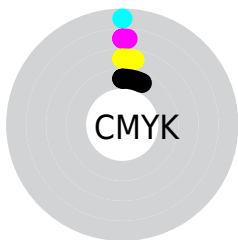
Distribution



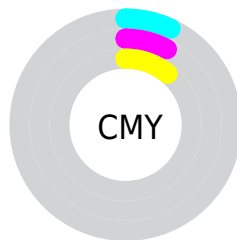
- Red (93%)
- Green (92%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2799, 0.3178, 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 82.2799, 0.3178, 0.3352 by changing the saturation by 10% instead.

82.2799, 0.3178,
0.3352

82.2799, 0.3178,
0.3352

502.5835, 0.3155,
0.3324

61.5963, 0.3183,
0.3358

136.5664, 0.3170,
0.3342

44.7066, 0.3189,
0.3366

170.9382, 0.3167,
0.3339

31.2264, 0.3197,
0.3376

210.6414, 0.3164,
0.3335

20.7713, 0.3208,
0.3388

256.0604, 0.3162,
0.3333

12.9569, 0.3221,
0.3405

307.5798, 0.3160,
0.3330

7.3989, 0.3240,
0.3428

365.5838, 0.3158,

3.7128, 0.3270,

0.3328

0.3464

430.4569, 0.3156,
0.3326

■ 1.5142, 0.3319,
0.3525

■ 0.2987, 0.4037,
0.4396

■ 82.2799, 0.3178,
0.3352

■ 82.2799, 0.3178,
0.3352

■ 77.8337, 0.3338,
0.3542

■ 87.0187, 0.3032,
0.3171

■ 73.6612, 0.3510,
0.3739

■ 90.6769, 0.3011,
0.3196

■ 69.7574, 0.3692,
0.3937

■ 94.2271, 0.3011,
0.3253

■ 66.1129, 0.3880,
0.4128

■ 96.5656, 0.3011,
0.3290

■ 62.7178, 0.4067,
0.4303

■ 59.5609, 0.4247,
0.4453

■ 56.6302, 0.4409,
0.4565

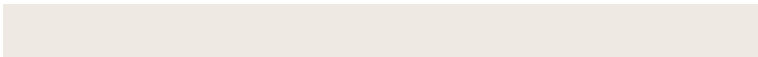
■ 53.9118, 0.4547,
0.4632

■ 51.3888, 0.4654,
0.4650

Harmonies

Analogous

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



82.2799, 0.3196, 0.3337



82.2799, 0.3178, 0.3352



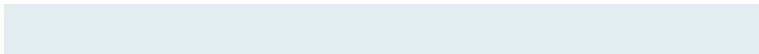
82.2799, 0.3146, 0.3351

Triad

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



82.2799, 0.3178, 0.3352



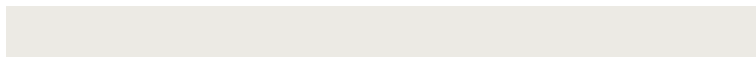
82.2799, 0.3059, 0.3271



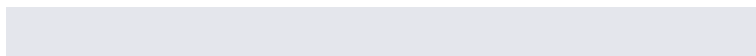
82.2799, 0.3145, 0.3248

Complementary

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



82.2799, 0.3178, 0.3352



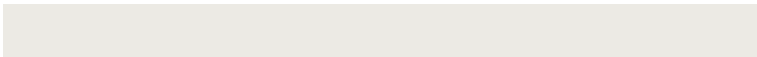
79.1164, 0.3076, 0.3227

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.



82.2799, 0.3108, 0.3231



82.2799, 0.3178, 0.3352



82.2799, 0.3059, 0.3243

Square

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



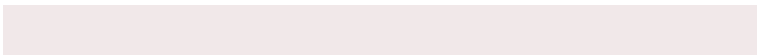
82.2799, 0.3178, 0.3352



82.2799, 0.3077, 0.3303



82.2799, 0.3077, 0.3229



82.2799, 0.3177, 0.3277

Rectangle

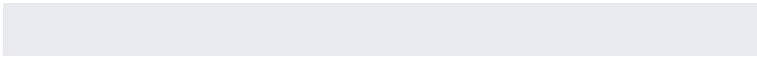
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2799, 0.3178, 0.3352



82.2799, 0.3121, 0.3340



82.2799, 0.3077, 0.3229



82.2799, 0.3133, 0.3241

Sweetspot

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



82.2835, 0.3178, 0.3352



99.4403, 0.3142, 0.3308



79.0321, 0.3169, 0.3270



21.2902, 0.3141, 0.3307



0.0000, 0.0000, 0.0000



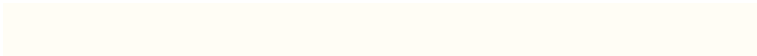
21.4041, 0.3127, 0.3290

Same Dimension

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



82.2835, 0.3178, 0.3352



97.7818, 0.3188, 0.3364



83.0561, 0.3163, 0.3372



17.4204, 0.3199, 0.3377



27.6784, 0.4702, 0.4649



2.3218, 0.4616, 0.4717

Inverse Universe

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



79.1164, 0.3076, 0.3227



93.2957, 0.3066, 0.3215



78.3698, 0.3090, 0.3207



16.4798, 0.3055, 0.3201



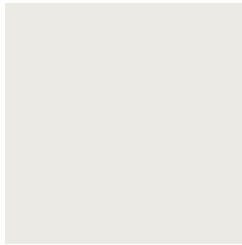
5.1546, 0.1578, 0.0879



0.5519, 0.1649, 0.1138

Previews

White Background



This preview shows how the Yxy color 82.2799, 0.3178, 0.3352 looks on a white background.

Color Contrast Check

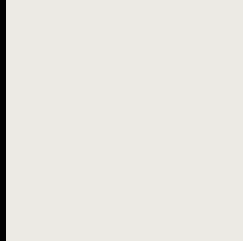
Large Text (above 18pt) WCAG AA × Fail

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 82.2799, 0.3178, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

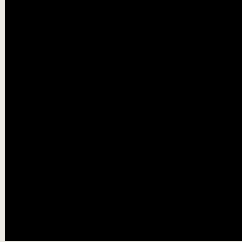
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

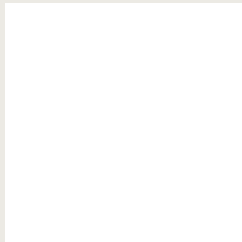
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2799, 0.3178, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 82.2799, 0.3178, 0.3352.

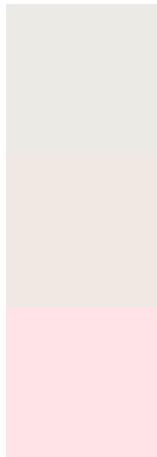


This preview shows how white text looks on a background with the Yxy color 82.2799, 0.3178, 0.3352.

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

82.2799, 0.3178, 0.3352

Protanopia

82.3491, 0.3213, 0.3352

Deuteranopia

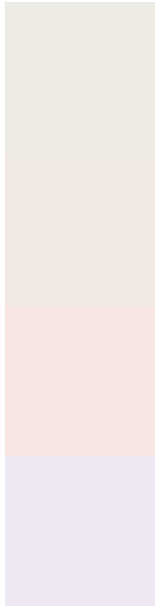
81.9113, 0.3304, 0.3261



Tritanopia

82.3421, 0.3069, 0.3109

Trichromacy



Original Color

82.2799, 0.3178, 0.3352

Protanomaly

82.1746, 0.3206, 0.3352

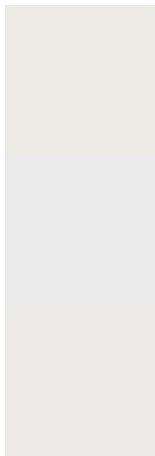
Deuteranomaly

82.2072, 0.3258, 0.3300

Tritanomaly

82.2412, 0.3111, 0.3199

Monochromacy



Original Color

82.2799, 0.3178, 0.3352

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3340, 0.3146, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2799, 0.3178, 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(236, 234, 228)` looks like.

```
.text, #text, p{  
    color:rgb(236, 234, 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(236, 234, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 234, 228) }
```

Border

The CSS property to change the border of an element to Yxy 82.2799, 0.3178, 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(236, 234, 228) }
```

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

```
.border{ border-color:rgb(236, 234, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 234, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 234, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 234, 228);  
box-shadow:4px 4px 4px 4px rgb(236, 234,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2799, 0.3178, 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(236, 234, 228) }
```

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

```
.background{ background-color: rgb(236,  
234, 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](#).

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