

Converting Colors

Yxy(83.1221, 0.3199, 0.3315)

Have a look what the booklet for
Yxy(83.1221, 0.3199, 0.3315)
contains.

Yxy(82.9246, 0.3201, 0.3311)	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(82.9246, 0.3201, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	F2E9E7
RGB	242, 233, 231
RGB Percent	95%, 91%, 91%
CMY	0.0511, 0.0862, 0.0942
CMYK	0.00, 0.04, 0.05, 0.05
HSL	11°, 30%, 93%
HSV	11°, 5%, 95%
XYZ	80.1696, 82.9246, 87.3576
YIQ	235.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

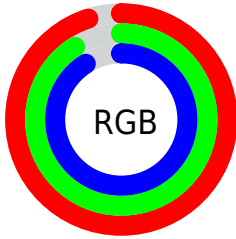
Format	Color
R_{YB}	242, 233, 231
Decimal	15919591
CIE _{Lab}	92.98, 2.67, 2.06
CIE _{LCh}	93, 3.372, 37.600
Y _{xy}	82.9246, 0.3201, 0.3311
Android (android.graphics.Color)	4294109671 (0xFFFF2E9E7)
Y_{UV}	235.4630, -2.2003, 5.7329
Hunter-Lab	91.0629, -2.2130, 6.8666

Details

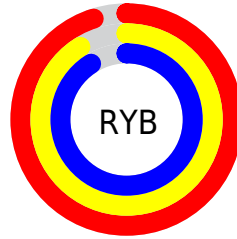
The Yxy color **82.9246, 0.3201, 0.3311** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6679, 0.3057, 0.3269**, and the grayscale version is **83.4610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9785, 0.3223, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **71.1195, 0.3388, 0.3360**, and if you desaturate by 10%, it is **96.1593, 0.3048, 0.3267**.

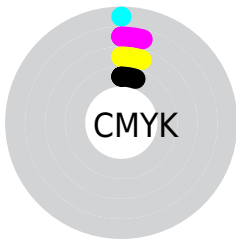
Distribution



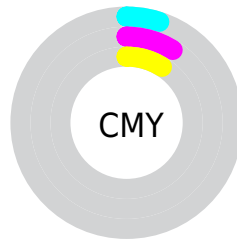
- Red (95%)
- Green (91%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (5%)




- Cyan (5%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9246, 0.3201, 0.3311 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 82.9246, 0.3201, 0.3311 by changing the saturation by 10% instead.


 82.9246, 0.3201,
0.3311

 82.9246, 0.3201,
0.3311

504.7352, 0.3168,
0.3302

 62.1280, 0.3208,
0.3313


137.4699, 0.3190,
0.3308

 45.1361, 0.3218,
0.3316


171.9872, 0.3185,
0.3307

 31.5646, 0.3229,
0.3319

211.8470, 0.3181,
0.3306

 21.0292, 0.3244,
0.3323

257.4335, 0.3178,
0.3305

 13.1453, 0.3264,
0.3328

309.1312, 0.3175,
0.3304

 7.5287, 0.3292,
0.3335

367.3245, 0.3172,

 3.7949, 0.3335,

0.3303

0.3346

432.3977, 0.3170,
0.3302

■ 1.5595, 0.3407,
0.3364

■ 0.3301, 0.4098,
0.3570

■ 82.9246, 0.3201,
0.3311

■ 82.9246, 0.3201,
0.3311

■ 71.1195, 0.3388,
0.3360

■ 96.1593, 0.3048,
0.3267

■ 60.6955, 0.3615,
0.3412

■ 97.6124, 0.3047,
0.3290

■ 51.6051, 0.3889,
0.3464

■ 43.7940, 0.4215,
0.3514

■ 37.2042, 0.4590,
0.3556

■ 31.7733, 0.5004,
0.3581

■ 27.4329, 0.5427,
0.3581

■ 24.1075, 0.5812,
0.3547

■ 21.7110, 0.6107,
0.3481

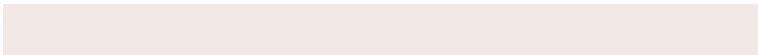
Harmonies

Analogous

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



82.9246, 0.3181, 0.3277



82.9246, 0.3201, 0.3311



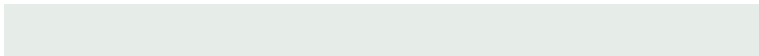
82.9246, 0.3201, 0.3340

Triad

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



82.9246, 0.3201, 0.3311



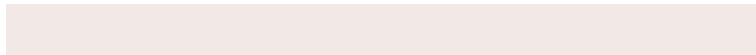
82.9246, 0.3107, 0.3335



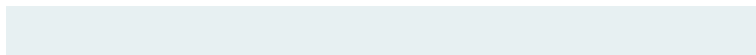
82.9246, 0.3074, 0.3225

Complementary

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



82.9246, 0.3201, 0.3311



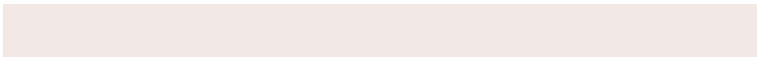
85.6679, 0.3057, 0.3269

Split Complementary

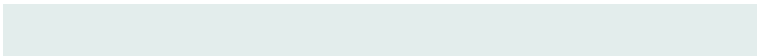
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9246, 0.3054, 0.3240



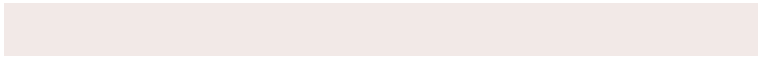
82.9246, 0.3201, 0.3311



82.9246, 0.3074, 0.3304

Square

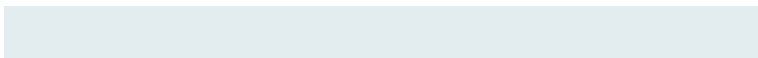
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9246, 0.3201, 0.3311



82.9246, 0.3147, 0.3354



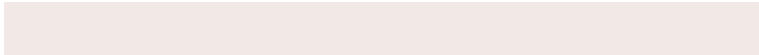
82.9246, 0.3054, 0.3269



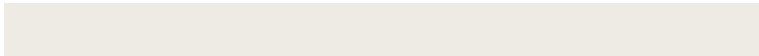
82.9246, 0.3108, 0.3227

Rectangle

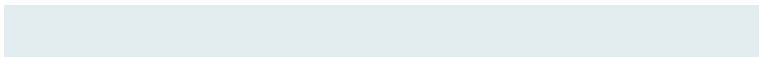
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



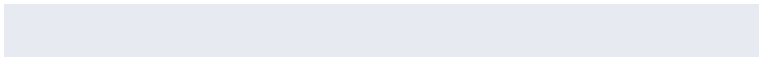
82.9246, 0.3201, 0.3311



82.9246, 0.3190, 0.3353



82.9246, 0.3054, 0.3269



82.9246, 0.3065, 0.3228

Sweetspot

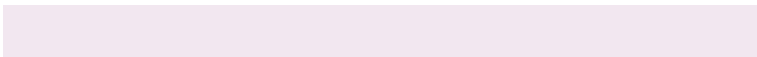
The Sweet Spot groups the original color and five complimentary colors.



82.9282, 0.3201, 0.3311



98.5200, 0.3143, 0.3295



82.2953, 0.3145, 0.3199



21.1029, 0.3142, 0.3294



0.0000, 0.0000, 0.0000



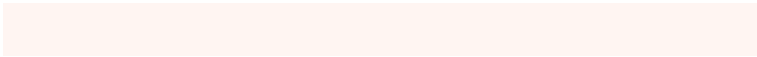
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9282, 0.3201, 0.3311



92.7637, 0.3209, 0.3313



86.0738, 0.3197, 0.3366



17.2012, 0.3220, 0.3316



11.2961, 0.6200, 0.3459



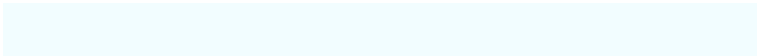
1.0705, 0.5963, 0.3648

Inverse Universe

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



85.6679, 0.3057, 0.3269



96.1558, 0.3049, 0.3267



82.4970, 0.3058, 0.3213



17.9181, 0.3039, 0.3263



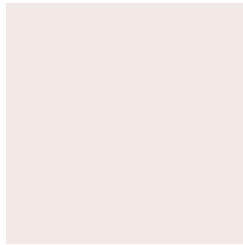
25.0679, 0.2079, 0.2683



2.2134, 0.2103, 0.2772

Previews

White Background



This preview shows how the Yxy color 82.9246, 0.3201, 0.3311 looks on a white background.

Color Contrast Check

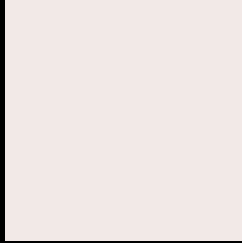
Large Text (above 18pt) WCAG AA × Fail

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 82.9246, 0.3201, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

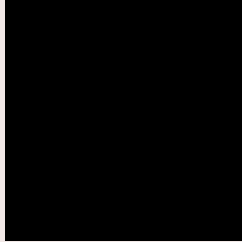
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

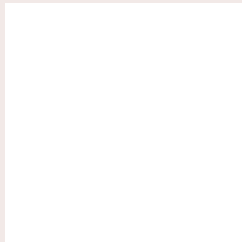
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9246, 0.3201, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 82.9246, 0.3201, 0.3311.

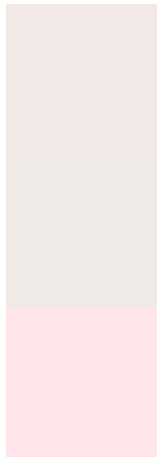


This preview shows how white text looks on a background with the Yxy color 82.9246, 0.3201, 0.3311.

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

82.9246, 0.3201, 0.3311

Protanopia

83.1404, 0.3187, 0.3321

Deuteranopia

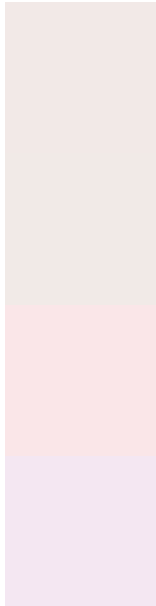
82.6300, 0.3283, 0.3241



Tritanopia

82.7834, 0.3115, 0.3111

Trichromacy



Original Color

82.9246, 0.3201, 0.3311

Protanomaly

83.3159, 0.3193, 0.3321

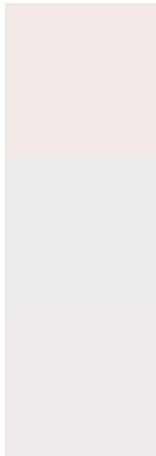
Deuteranomaly

82.7438, 0.3252, 0.3270

Tritanomaly

82.7957, 0.3146, 0.3180

Monochromacy



Original Color

82.9246, 0.3201, 0.3311

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.9633, 0.3154, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9246, 0.3201, 0.3311 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(242, 233, 231)` looks like.

```
.text, #text, p{  
    color:rgb(242, 233, 231)  
}
```

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(242, 233, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 233, 231) }
```

Border

The CSS property to change the border of an element to Yxy 82.9246, 0.3201, 0.3311 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(242, 233, 231) }
```

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

```
.border{ border-color:rgb(242, 233, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 233, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 233, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 233, 231);  
box-shadow:4px 4px 4px 4px rgb(242, 233,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9246, 0.3201, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 233, 231) }
```

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

```
.background{ background-color: rgb(242,  
233, 231) }
```

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