

Converting Colors

$Y_{xy}(82.6173, 0.3288, 0.3375)$

Have a look what the booklet for
Yxy(82.6173, 0.3288, 0.3375)
contains.

Yxy(82.8151, 0.3288, 0.3382)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.8151, 0.3288, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	F7E8DF
RGB	247, 232, 223
RGB Percent	97%, 91%, 87%
CMY	0.0316, 0.0901, 0.1255
CMYK	0.00, 0.06, 0.10, 0.03
HSL	23°, 60%, 92%
HSV	23°, 10%, 97%
XYZ	80.5133, 82.8151, 81.5418
YIQ	235.4590, 11.8290, 0.3810

Conversions

Conversions Part 2

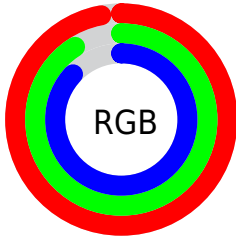
Format	Color
R _Y B	247, 237, 223
Decimal	16247007
CIE Lab	92.93, 3.55, 6.19
CIE LCh	93, 7.140, 60.164
Yxy	82.8151, 0.3288, 0.3382
Android (android.graphics.Color)	4294437087 (0xFFFF7E8DF)
YUV	235.4590, -6.1423, 10.1215
Hunter-Lab	91.0028, -1.3298, 10.5760

Details

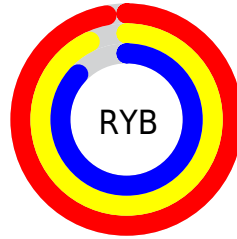
The Yxy color **82.8151, 0.3288, 0.3382** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4788, 0.2977, 0.3196**, and the grayscale version is **83.4822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9542, 0.3328, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **73.3055, 0.3482, 0.3483**, and if you desaturate by 10%, it is **93.2826, 0.3123, 0.3287**.

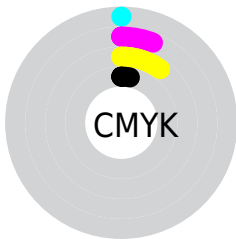
Distribution



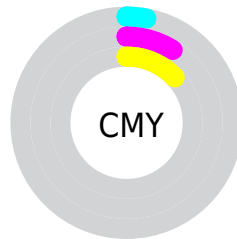
- Red (97%)
- Green (91%)
- Blue (87%)



- Red (97%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (3%)





- Cyan (3%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8151, 0.3288, 0.3382 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 82.8151, 0.3288, 0.3382 by changing the saturation by 10% instead.


 82.8151, 0.3288,
0.3382

 82.8151, 0.3288,
0.3382


504.3701, 0.3215,
0.3341

 62.0376, 0.3304,
0.3391


137.3165, 0.3263,
0.3368

 45.0631, 0.3324,
0.3402


171.8091, 0.3253,
0.3362

 31.5071, 0.3350,
0.3416


211.6424, 0.3245,
0.3358

 20.9853, 0.3382,
0.3434


257.2005, 0.3237,
0.3353

 13.1133, 0.3426,
0.3457

308.8679, 0.3231,
0.3350

 7.5066, 0.3487,
0.3490

367.0291, 0.3225,

 3.7809, 0.3581,

0.3346

0.3538

432.0683, 0.3220,
0.3344

■ 1.5518, 0.3739,
0.3616

■ 0.3247, 0.5490,
0.4510

■ 82.8151, 0.3288,
0.3382

■ 82.8151, 0.3288,
0.3382

■ 73.3055, 0.3482,
0.3483

■ 93.2826, 0.3123,
0.3287

■ 64.7152, 0.3708,
0.3587

■ 98.5015, 0.3078,
0.3290

■ 57.0188, 0.3968,
0.3691

■ 50.1856, 0.4262,
0.3788

■ 44.1831, 0.4583,
0.3867

■ 38.9764, 0.4920,
0.3917

■ 34.5274, 0.5249,
0.3925

■ 30.7941, 0.5544,
0.3880

■ 27.7230, 0.5782,
0.3788

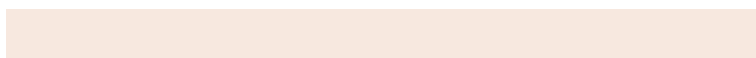
Harmonies

Analogous

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



82.8151, 0.3277, 0.3316



82.8151, 0.3288, 0.3382



82.8151, 0.3255, 0.3425

Triad

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



82.8151, 0.3288, 0.3382



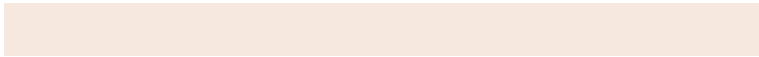
82.8151, 0.3029, 0.3337



82.8151, 0.3065, 0.3152

Complementary

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



82.8151, 0.3288, 0.3382



83.4788, 0.2977, 0.3196

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.



82.8151, 0.3000, 0.3156



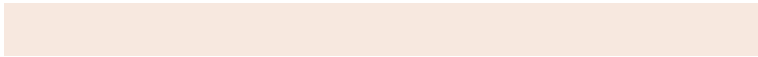
82.8151, 0.3288, 0.3382



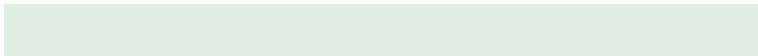
82.8151, 0.2979, 0.3262

Square

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



82.8151, 0.3288, 0.3382



82.8151, 0.3105, 0.3400



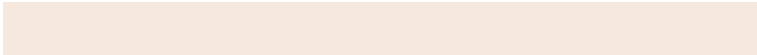
82.8151, 0.2969, 0.3196



82.8151, 0.3148, 0.3184

Rectangle

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



82.8151, 0.3288, 0.3382



82.8151, 0.3213, 0.3434



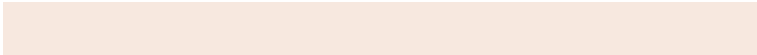
82.8151, 0.2969, 0.3196



82.8151, 0.3041, 0.3150

Sweetspot

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



82.8187, 0.3288, 0.3382



96.5174, 0.3174, 0.3318



78.7108, 0.3196, 0.3138



20.4629, 0.3187, 0.3325



0.0000, 0.0000, 0.0000



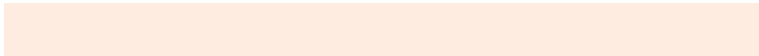
21.4041, 0.3127, 0.3290

Same Dimension

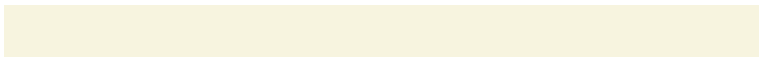
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8187, 0.3288, 0.3382



86.6310, 0.3330, 0.3405



89.6319, 0.3275, 0.3498



17.5083, 0.3284, 0.3380



14.8782, 0.5759, 0.3809



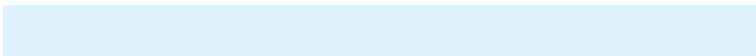
1.4989, 0.5525, 0.3995

Inverse Universe

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



83.4788, 0.2977, 0.3196



87.4966, 0.2940, 0.3172



76.8862, 0.2976, 0.3073



17.6446, 0.2980, 0.3198



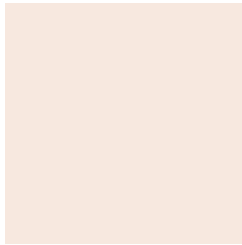
16.0035, 0.1890, 0.2002



1.6041, 0.1939, 0.2181

Previews

White Background



This preview shows how the Yxy color 82.8151, 0.3288, 0.3382 looks on a white background.

Color Contrast Check

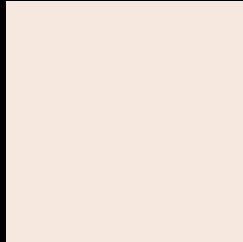
Large Text (above 18pt) WCAG AA × Fail

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 82.8151, 0.3288, 0.3382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

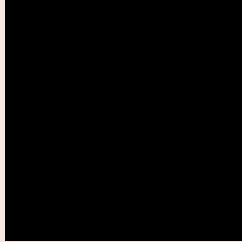
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

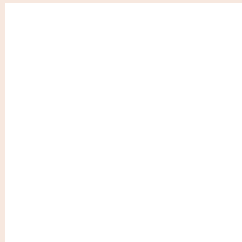
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8151, 0.3288, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 82.8151, 0.3288, 0.3382.

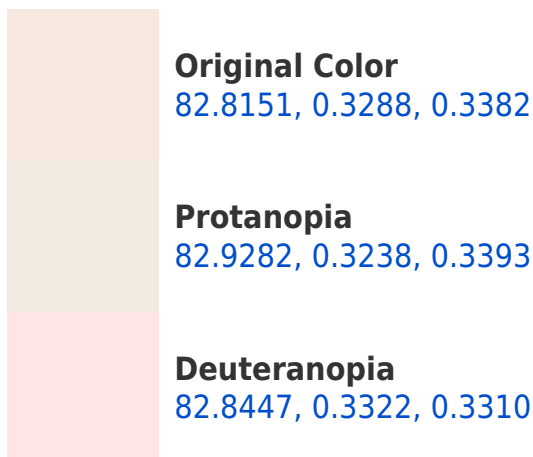


This preview shows how white text looks on a background with the Yxy color 82.8151, 0.3288, 0.3382.

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

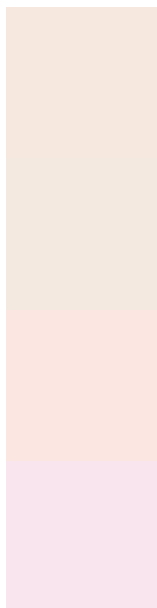




Tritanopia

82.4646, 0.3163, 0.3112

Trichromacy



Original Color

82.8151, 0.3288, 0.3382

Protanomaly

82.7143, 0.3253, 0.3382

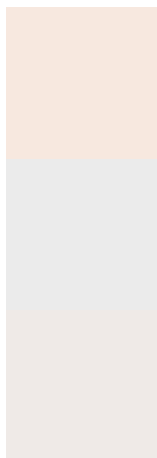
Deuteranomaly

82.7801, 0.3306, 0.3331

Tritanomaly

82.3514, 0.3207, 0.3201

Monochromacy



Original Color

82.8151, 0.3288, 0.3382

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.9659, 0.3180, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8151, 0.3288, 0.3382 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(247, 232, 223)` looks like.

```
.text, #text, p{  
    color:rgb(247, 232, 223)  
}
```

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(247, 232, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 232, 223) }
```

Border

The CSS property to change the border of an element to Yxy 82.8151, 0.3288, 0.3382 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(247, 232, 223) }
```

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

```
.border{ border-color:rgb(247, 232, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 232, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 232, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 232, 223);  
box-shadow:4px 4px 4px 4px rgb(247, 232,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8151, 0.3288, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 232, 223) }
```

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

```
.background{ background-color: rgb(247,  
232, 223) }
```

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