

Converting Colors

$Y_{xy}(82.8953, 0.3364, 0.3431)$

Have a look what the booklet for
Yxy(82.8953, 0.3364, 0.3431)
contains.

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Color

Yxy(82.8570, 0.3365, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	FCE7D9
RGB	252, 231, 217
RGB Percent	99%, 91%, 85%
CMY	0.0118, 0.0941, 0.1492
CMYK	0.00, 0.08, 0.14, 0.01
HSL	24°, 85%, 92%
HSV	24°, 14%, 99%
XYZ	81.2395, 82.8570, 77.3284
YIQ	235.6830, 17.0100, 0.0980

Conversions

Conversions Part 2

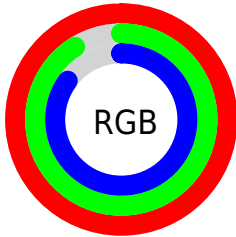
Format	Color
R _Y B	252, 240, 217
Decimal	16574425
CIE Lab	92.95, 4.89, 9.41
CIE LCh	93, 10.604, 62.533
Yxy	82.8570, 0.3365, 0.3432
Android (android.graphics.Color)	4294764505 (0xFFFC E7D9)
YUV	235.6830, -9.2107, 14.3100
Hunter-Lab	91.0258, 0.0139, 13.3500

Details

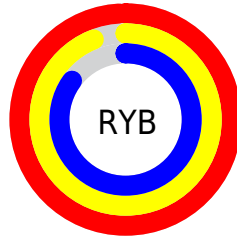
The Yxy color **82.8570, 0.3365, 0.3432** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.8901, 0.2910, 0.3144**, and the grayscale version is **83.6878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8707, 0.3419, 0.3459** is the 20% darker color. If you saturate the color by 10%, you get **73.5599, 0.3570, 0.3541**, and if you desaturate by 10%, it is **93.0902, 0.3189, 0.3329**.

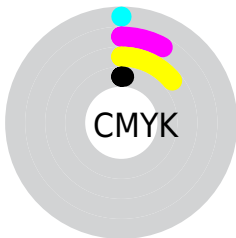
Distribution



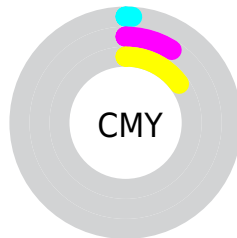
- Red (99%)
- Green (91%)
- Blue (85%)



- Red (99%)
- Yellow (94%)
- Blue (85%)



- Cyan (0%)
- Magenta (8%)
- Yellow (14%)
- Black (1%)




- Cyan (1%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8570, 0.3365, 0.3432 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 82.8570, 0.3365, 0.3432 by changing the saturation by 10% instead.


 82.8570, 0.3365,
0.3432

 82.8570, 0.3365,
0.3432


504.5098, 0.3257,
0.3369

 62.0722, 0.3389,
0.3446


137.3752, 0.3328,
0.3410

 45.0910, 0.3419,
0.3463


171.8773, 0.3313,
0.3402

 31.5291, 0.3456,
0.3484


211.7207, 0.3301,
0.3395

 21.0021, 0.3504,
0.3511

257.2897, 0.3290,
0.3388

 13.1255, 0.3569,
0.3546

308.9687, 0.3280,
0.3382

 7.5151, 0.3660,
0.3595

367.1421, 0.3272,

 3.7862, 0.3797,

0.3377

0.3665

432.1944, 0.3264,
0.3373

■ 1.5547, 0.4029,
0.3777

■ 0.3268, 0.5682,
0.4318

■ 82.8570, 0.3365,
0.3432

■ 82.8570, 0.3365,
0.3432

■ 73.5599, 0.3570,
0.3541

■ 93.0902, 0.3189,
0.3329

■ 65.1606, 0.3807,
0.3652

■ 99.4347, 0.3109,
0.3290

■ 57.6339, 0.4076,
0.3760

■ 50.9494, 0.4375,
0.3857

■ 45.0746, 0.4696,
0.3931

■ 39.9744, 0.5021,
0.3969

■ 35.6106, 0.5328,
0.3960

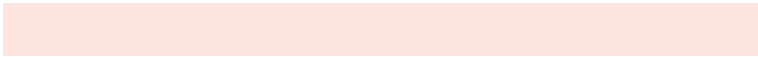
■ 31.9401, 0.5590,
0.3896

■ 30.0150, 0.5726,
0.3836

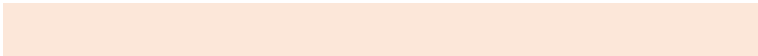
Harmonies

Analogous

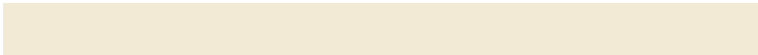
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8570, 0.3354, 0.3335



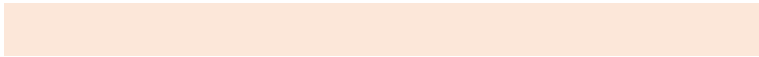
82.8570, 0.3365, 0.3432



82.8570, 0.3311, 0.3494

Triad

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



82.8570, 0.3365, 0.3432



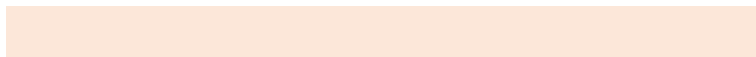
82.8570, 0.2974, 0.3351



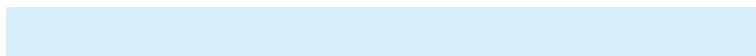
82.8570, 0.3044, 0.3089

Complementary

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



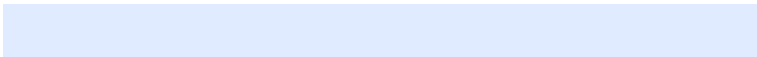
82.8570, 0.3365, 0.3432



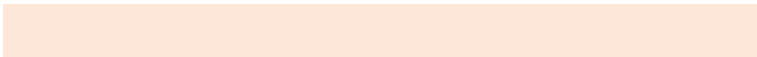
82.8901, 0.2910, 0.3144

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.



82.8570, 0.2945, 0.3089



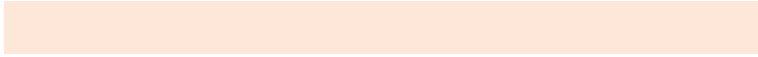
82.8570, 0.3365, 0.3432



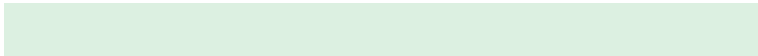
82.8570, 0.2905, 0.3238

Square

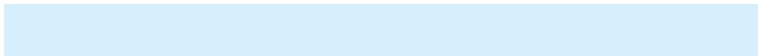
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8570, 0.3365, 0.3432



82.8570, 0.3084, 0.3448



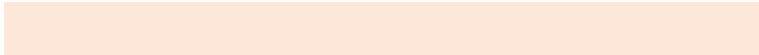
82.8570, 0.2895, 0.3143



82.8570, 0.3167, 0.3140

Rectangle

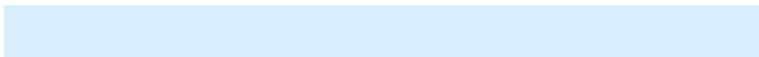
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8570, 0.3365, 0.3432



82.8570, 0.3245, 0.3505



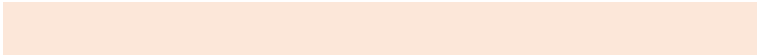
82.8570, 0.2895, 0.3143



82.8570, 0.3007, 0.3083

Sweetspot

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



82.8607, 0.3365, 0.3432



95.5243, 0.3190, 0.3330



76.4717, 0.3238, 0.3080



20.2697, 0.3203, 0.3337



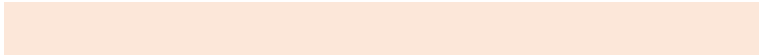
0.0000, 0.0000, 0.0000



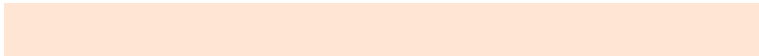
21.4041, 0.3127, 0.3290

Same Dimension

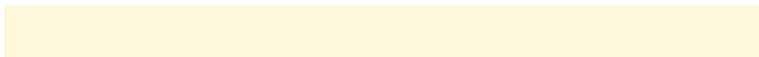
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8607, 0.3365, 0.3432



82.0545, 0.3425, 0.3465



93.1402, 0.3341, 0.3602



18.3677, 0.3284, 0.3386



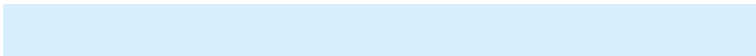
15.9055, 0.5696, 0.3859



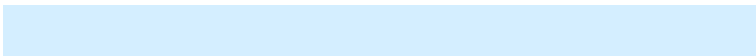
1.6744, 0.5478, 0.4032

Inverse Universe

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



82.8901, 0.2910, 0.3144



82.0895, 0.2861, 0.3108



73.2036, 0.2904, 0.2957



18.3723, 0.2980, 0.3193



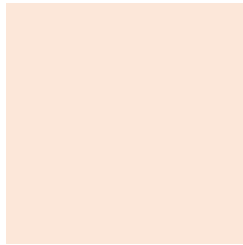
15.4756, 0.1866, 0.1918



1.6408, 0.1916, 0.2098

Previews

White Background



This preview shows how the Yxy color 82.8570, 0.3365, 0.3432 looks on a white background.

Color Contrast Check

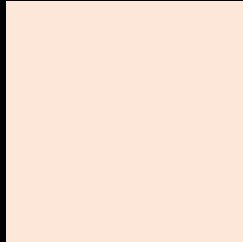
Large Text (above 18pt) WCAG AA × Fail

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 82.8570, 0.3365, 0.3432 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 82.8570, 0.3365, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 82.8570, 0.3365, 0.3432.

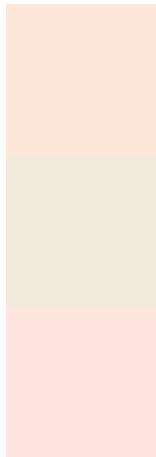


This preview shows how white text looks on a background with the Yxy color 82.8570, 0.3365, 0.3432.

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

82.8570, 0.3365, 0.3432

Protanopia

83.0148, 0.3284, 0.3444

Deuteranopia

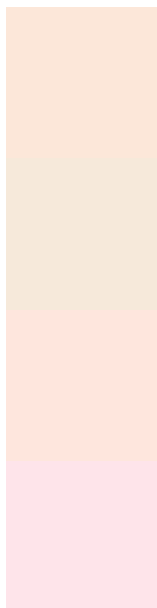
82.6263, 0.3349, 0.3350



Tritanopia

82.7298, 0.3211, 0.3124

Trichromacy



Original Color

82.8570, 0.3365, 0.3432

Protanomaly

82.9326, 0.3313, 0.3443

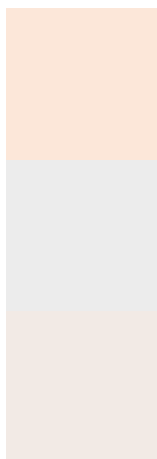
Deuteranomaly

82.8849, 0.3354, 0.3381

Tritanomaly

82.4981, 0.3269, 0.3231

Monochromacy



Original Color

82.8570, 0.3365, 0.3432

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.3800, 0.3213, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8570, 0.3365, 0.3432 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(252, 231, 217)` looks like.

```
.text, #text, p{  
    color:rgb(252, 231, 217)  
}
```

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(252, 231, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 231, 217) }
```

Border

The CSS property to change the border of an element to Yxy 82.8570, 0.3365, 0.3432 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(252, 231, 217) }
```

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

```
.border{ border-color:rgb(252, 231, 217) }
```

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

Here you see how a box with a 4 pixel rgb(252, 231, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 231, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 231, 217);  
box-shadow:4px 4px 4px 4px rgb(252, 231,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8570, 0.3365, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 231, 217) }
```

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

```
.background{ background-color: rgb(252,  
231, 217) }
```

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](#).

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