

Converting Colors

$Yxy(86.8946, 0.3235, 0.3397)$

Have a look what the booklet for
Yxy(86.8946, 0.3235, 0.3397)
contains.

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Color

Yxy(86.7469, 0.3235, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	F5EFE4
RGB	245, 239, 228
RGB Percent	96%, 94%, 89%
CMY	0.0394, 0.0627, 0.1058
CMYK	0.00, 0.02, 0.07, 0.04
HSL	39°, 46%, 93%
HSV	39°, 7%, 96%
XYZ	82.5129, 86.7469, 85.8032
YIQ	239.5400, 7.1070, -2.1490

Conversions

Conversions Part 2

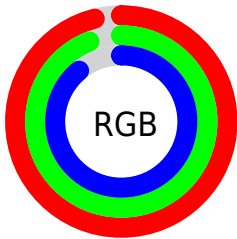
Format	Color
R_{YB}	237, 245, 228
Decimal	16117732
CIE Lab	94.63, 0.12, 6.01
CIE LCh	95, 6.011, 88.851
Yxy	86.7469, 0.3235, 0.3401
Android (android.graphics.Color)	4294307812 (0xFF5EFE4)
YUV	239.5400, -5.6892, 4.7884
Hunter-Lab	93.1380, -4.8548, 10.5758

Details

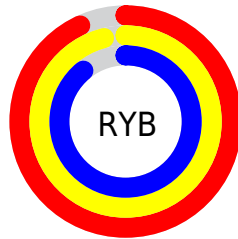
The Yxy color **86.7469, 0.3235, 0.3401** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.8949, 0.3021, 0.3176**, and the grayscale version is **86.7978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7029, 0.3259, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **80.5860, 0.3406, 0.3569**, and if you desaturate by 10%, it is **93.3460, 0.3082, 0.3242**.

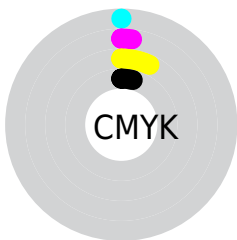
Distribution



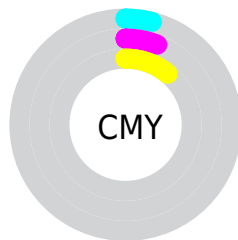
- Red (96%)
- Green (94%)
- Blue (89%)



- Red (93%)
- Yellow (96%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7469, 0.3235, 0.3401 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 86.7469, 0.3235, 0.3401 by changing the saturation by 10% instead.

86.7469, 0.3235,
0.3401

86.7469, 0.3235,
0.3401

517.3908, 0.3187,
0.3351

65.2858, 0.3246,
0.3412

142.8113, 0.3218,
0.3384

47.6928, 0.3259,
0.3425

178.1834, 0.3212,
0.3377

33.5837, 0.3275,
0.3442

218.9612, 0.3206,
0.3372

22.5740, 0.3296,
0.3464

265.5292, 0.3201,
0.3367

14.2793, 0.3324,
0.3492

318.2718, 0.3197,
0.3362

8.3151, 0.3363,
0.3532

377.5733, 0.3193,

4.2973, 0.3421,

0.3358

0.3591

443.8182, 0.3190,
0.3354

■ 1.8412, 0.3516,
0.3689

■ 0.5127, 0.4297,
0.4493

■ 86.7469, 0.3235,
0.3401

■ 86.7469, 0.3235,
0.3401

■ 80.5860, 0.3406,
0.3569

■ 93.3460, 0.3082,
0.3242

■ 74.8405, 0.3593,
0.3742

■ 98.1424, 0.3065,
0.3290

■ 69.5023, 0.3795,
0.3914

■ 64.5587, 0.4009,
0.4080

■ 59.9961, 0.4227,
0.4227

■ 55.7996, 0.4442,
0.4346

■ 51.9527, 0.4641,
0.4425

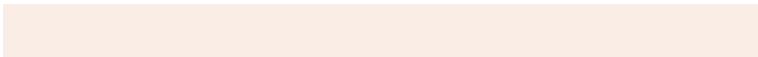
■ 48.4367, 0.4815,
0.4454

■ 45.2287, 0.4955,
0.4430

Harmonies

Analogous

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



86.7469, 0.3261, 0.3364



86.7469, 0.3235, 0.3401



86.7469, 0.3180, 0.3408

Triad

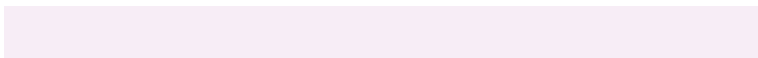
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7469, 0.3235, 0.3401



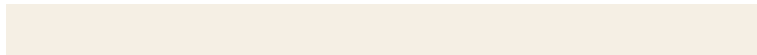
86.7469, 0.3006, 0.3269



86.7469, 0.3141, 0.3200

Complementary

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



86.7469, 0.3235, 0.3401



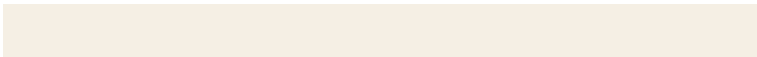
81.8949, 0.3021, 0.3176

Split Complementary

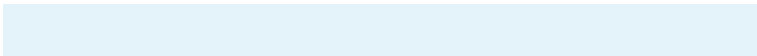
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7469, 0.3073, 0.3175



86.7469, 0.3235, 0.3401



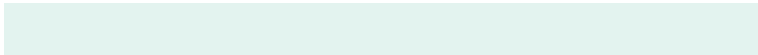
86.7469, 0.2996, 0.3214

Square

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



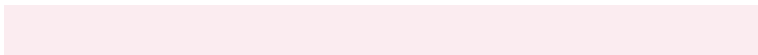
86.7469, 0.3235, 0.3401



86.7469, 0.3048, 0.3331



86.7469, 0.3020, 0.3180



86.7469, 0.3206, 0.3249

Rectangle

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



86.7469, 0.3235, 0.3401



86.7469, 0.3135, 0.3394



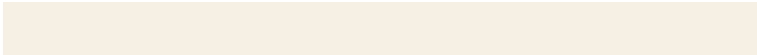
86.7469, 0.3020, 0.3180



86.7469, 0.3118, 0.3189

Sweetspot

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



86.7507, 0.3235, 0.3401



98.5429, 0.3158, 0.3322



80.8343, 0.3206, 0.3230



21.1076, 0.3156, 0.3320



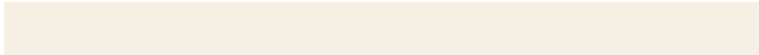
0.0000, 0.0000, 0.0000



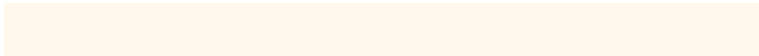
21.4041, 0.3127, 0.3290

Same Dimension

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



86.7507, 0.3235, 0.3401



94.2865, 0.3253, 0.3419



89.8220, 0.3213, 0.3460



18.2809, 0.3277, 0.3443



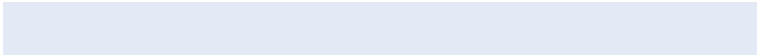
24.1417, 0.4978, 0.4430



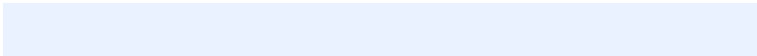
2.3140, 0.4854, 0.4528

Inverse Universe

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



81.8949, 0.3021, 0.3176



88.1612, 0.3003, 0.3157



78.9989, 0.3038, 0.3116



16.8748, 0.2980, 0.3132



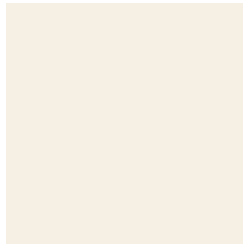
7.3451, 0.1645, 0.1121



0.8308, 0.1714, 0.1370

Previews

White Background



This preview shows how the Yxy color 86.7469, 0.3235, 0.3401 looks on a white background.

Color Contrast Check

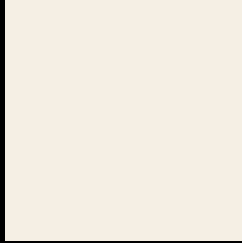
Large Text (above 18pt) WCAG AA × Fail

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 86.7469, 0.3235, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

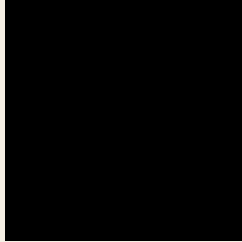
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

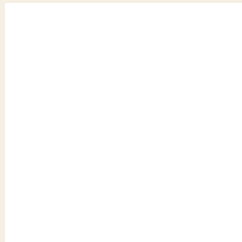
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7469, 0.3235, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 86.7469, 0.3235, 0.3401.

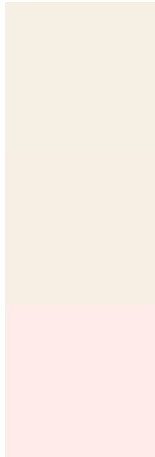


This preview shows how white text looks on a background with the Yxy color 86.7469, 0.3235, 0.3401.

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

86.7469, 0.3235, 0.3401

Protanopia

87.1086, 0.3249, 0.3401

Deuteranopia

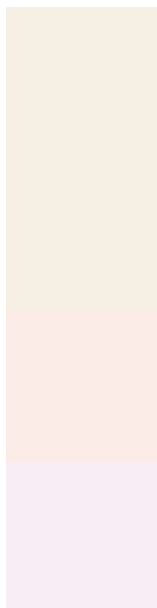
86.6172, 0.3269, 0.3300



Tritanopia

86.7122, 0.3103, 0.3104

Trichromacy



Original Color

86.7469, 0.3235, 0.3401

Protanomaly

86.9273, 0.3242, 0.3401

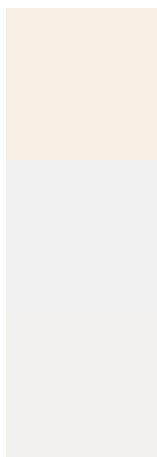
Deuteranomaly

86.3263, 0.3254, 0.3330

Tritanomaly

86.5399, 0.3151, 0.3201

Monochromacy



Original Color

86.7469, 0.3235, 0.3401

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2536, 0.3165, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7469, 0.3235, 0.3401 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(245, 239, 228)` looks like.

```
.text, #text, p{  
    color:rgb(245, 239, 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(245, 239, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 239, 228) }
```

Border

The CSS property to change the border of an element to Yxy 86.7469, 0.3235, 0.3401 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(245, 239, 228) }
```

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

```
.border{ border-color:rgb(245, 239, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 239, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 239, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 239, 228);  
box-shadow:4px 4px 4px 4px rgb(245, 239,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7469, 0.3235, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 239, 228) }
```

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

```
.background{ background-color: rgb(245,  
239, 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](#).

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