

Converting Colors

$Yxy(86.7811, 0.3287, 0.3461)$

Have a look what the booklet for
Yxy(86.7811, 0.3287, 0.3461)
contains.

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Color

Yxy(86.7811, 0.3287, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	F7EFDE
RGB	247, 239, 222
RGB Percent	97%, 94%, 87%
CMY	0.0313, 0.0628, 0.1293
CMYK	0.00, 0.03, 0.10, 0.03
HSL	41°, 61%, 92%
HSV	41°, 10%, 97%
XYZ	82.4182, 86.7811, 81.5406
YIQ	239.4540, 10.2250, -3.5910

Conversions

Conversions Part 2

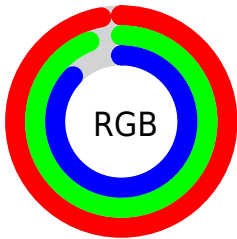
Format	Color
R_{YB}	234, 247, 222
Decimal	16248798
CIE Lab	94.65, -0.12, 9.15
CIE LCh	95, 9.147, 90.780
Yxy	86.7811, 0.3287, 0.3461
Android (android.graphics.Color)	4294438878 (0xFFFF7EFDE)
YUV	239.4540, -8.6048, 6.6178
Hunter-Lab	93.1564, -5.0994, 13.3124

Details

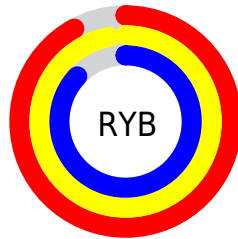
The Yxy color **86.7811, 0.3287, 0.3461** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.8817, 0.2969, 0.3113**, and the grayscale version is **86.7572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7334, 0.3325, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **81.0112, 0.3461, 0.3638**, and if you desaturate by 10%, it is **92.9566, 0.3129, 0.3292**.

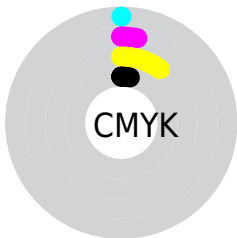
Distribution



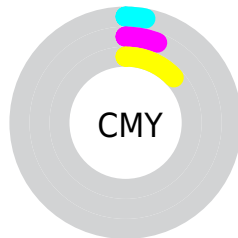
- Red (97%)
- Green (94%)
- Blue (87%)



- Red (92%)
- Yellow (97%)
- Blue (87%)



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





- Cyan (3%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7811, 0.3287, 0.3461 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 86.7811, 0.3287, 0.3461 by changing the saturation by 10% instead.


 86.7811, 0.3287,
0.3461

 86.7811, 0.3287,
0.3461


517.5033, 0.3215,
0.3384

 65.3141, 0.3303,
0.3478


142.8590, 0.3263,
0.3435

 47.7158, 0.3322,
0.3499


178.2386, 0.3253,
0.3425

 33.6019, 0.3346,
0.3525


219.0246, 0.3245,
0.3416

 22.5879, 0.3377,
0.3558

265.6013, 0.3237,
0.3408

 14.2895, 0.3418,
0.3602

318.3532, 0.3231,
0.3401

 8.3223, 0.3475,
0.3663

377.6645, 0.3225,

 4.3019, 0.3560,

0.3395

0.3754

443.9197, 0.3220,
0.3389

■ 1.8438, 0.3697,
0.3901

■ 0.5143, 0.4857,
0.5143

■ 86.7811, 0.3287,
0.3461

■ 86.7811, 0.3287,
0.3461

■ 81.0112, 0.3461,
0.3638

■ 92.9566, 0.3129,
0.3292

■ 75.6246, 0.3650,
0.3818

■ 98.4319, 0.3078,
0.3289

■ 70.6134, 0.3851,
0.3996

■ 98.5178, 0.3078,
0.3290

■ 65.9651, 0.4060,
0.4163

■ 61.6662, 0.4268,
0.4308

■ 57.7021, 0.4467,
0.4421

■ 54.0561, 0.4647,
0.4489

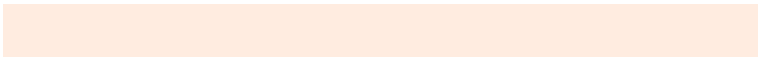
■ 50.7090, 0.4797,
0.4507

■ 47.6639, 0.4915,
0.4479

Harmonies

Analogous

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



86.7811, 0.3330, 0.3407



86.7811, 0.3287, 0.3461



86.7811, 0.3201, 0.3469

Triad

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



86.7811, 0.3287, 0.3461



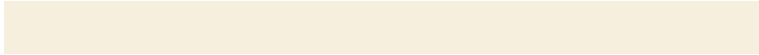
86.7811, 0.2940, 0.3252



86.7811, 0.3155, 0.3158

Complementary

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



86.7811, 0.3287, 0.3461



78.8817, 0.2969, 0.3113

Split Complementary

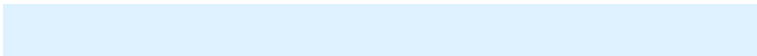
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7811, 0.3051, 0.3117



86.7811, 0.3287, 0.3461



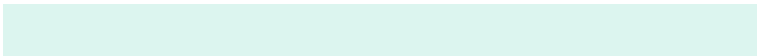
86.7811, 0.2928, 0.3169

Square

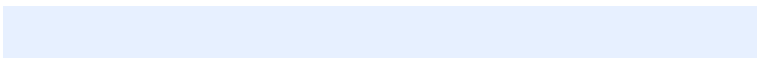
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7811, 0.3287, 0.3461



86.7811, 0.3002, 0.3347



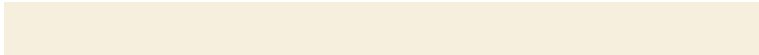
86.7811, 0.2969, 0.3121



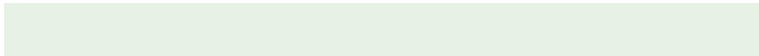
86.7811, 0.3253, 0.3233

Rectangle

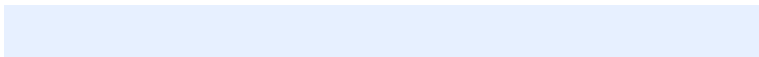
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7811, 0.3287, 0.3461



86.7811, 0.3132, 0.3446



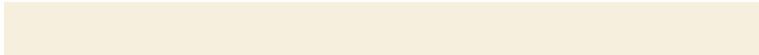
86.7811, 0.2969, 0.3121



86.7811, 0.3120, 0.3140

Sweetspot

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



86.7849, 0.3287, 0.3461



97.9593, 0.3173, 0.3340



77.7755, 0.3249, 0.3206



20.8520, 0.3185, 0.3353



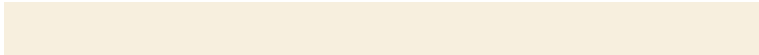
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



86.7849, 0.3287, 0.3461



92.0720, 0.3319, 0.3494



90.8392, 0.3250, 0.3542



18.3636, 0.3277, 0.3450



25.4714, 0.4900, 0.4491



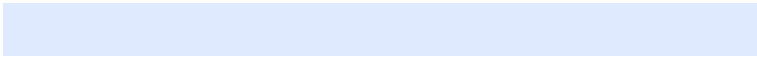
2.4241, 0.4789, 0.4579

Inverse Universe

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



78.8817, 0.2969, 0.3113



82.1073, 0.2938, 0.3077



75.1821, 0.2996, 0.3030



16.7956, 0.2980, 0.3125



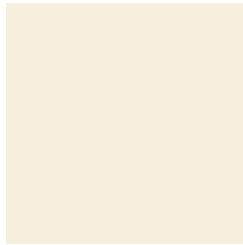
6.7615, 0.1624, 0.1048



0.7724, 0.1693, 0.1294

Previews

White Background



This preview shows how the Yxy color 86.7811, 0.3287, 0.3461 looks on a white background.

Color Contrast Check

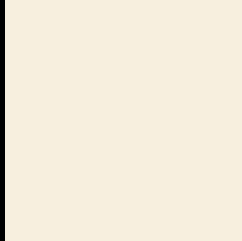
Large Text (above 18pt) WCAG AA × Fail

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 86.7811, 0.3287, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

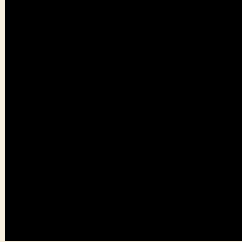
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7811, 0.3287, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 86.7811, 0.3287, 0.3461.

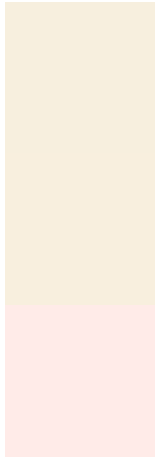


This preview shows how white text looks on a background with the Yxy color 86.7811, 0.3287, 0.3461.

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

86.7811, 0.3287, 0.3461

Protanopia

86.9634, 0.3294, 0.3461

Deuteranopia

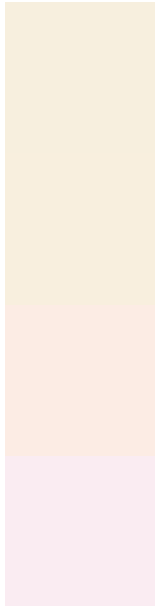
86.5029, 0.3282, 0.3320



Tritanopia

86.4467, 0.3123, 0.3105

Trichromacy



Original Color

86.7811, 0.3287, 0.3461

Protanomaly

86.9634, 0.3294, 0.3461

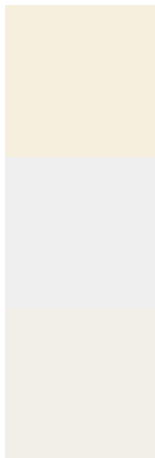
Deuteranomaly

86.2878, 0.3286, 0.3370

Tritanomaly

86.7257, 0.3183, 0.3231

Monochromacy



Original Color

86.7811, 0.3287, 0.3461

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4934, 0.3184, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7811, 0.3287, 0.3461 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, 239, 222)` looks like.

```
.text, #text, p{  
    color:rgb(247, 239, 222)  
}
```

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, 239, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 239, 222) }
```

Border

The CSS property to change the border of an element to Yxy 86.7811, 0.3287, 0.3461 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, 239, 222) }
```

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

```
.border{ border-color:rgb(247, 239, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 239, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 239, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 239, 222);  
box-shadow:4px 4px 4px 4px rgb(247, 239,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7811, 0.3287, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 239, 222) }
```

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

```
.background{ background-color: rgb(247,  
239, 222) }
```

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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