

Converting Colors

$Y_{xy}(86.8855, 0.3290, 0.3433)$

Have a look what the booklet for
Yxy(86.8855, 0.3290, 0.3433)
contains.

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Color

Yxy(86.6706, 0.3289, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	F9EEE0
RGB	249, 238, 224
RGB Percent	98%, 93%, 88%
CMY	0.0237, 0.0666, 0.1216
CMYK	0.00, 0.04, 0.10, 0.02
HSL	34°, 67%, 93%
HSV	34°, 10%, 98%
XYZ	83.0835, 86.6706, 82.8562
YIQ	239.6930, 11.0500, -2.0220

Conversions

Conversions Part 2

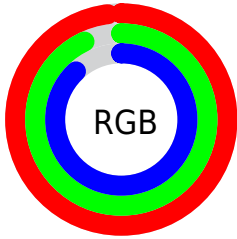
Format	Color
R_{YB}	244, 249, 224
Decimal	16379616
CIE Lab	94.60, 1.36, 8.09
CIE LCh	95, 8.206, 80.479
Yxy	86.6706, 0.3289, 0.3431
Android (android.graphics.Color)	4294569696 (0xFFFF9EEE0)
YUV	239.6930, -7.7366, 8.1622
Hunter-Lab	93.0970, -3.6193, 12.4000

Details

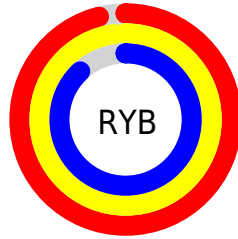
The Yxy color **86.6706, 0.3289, 0.3431** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.0542, 0.2971, 0.3145**, and the grayscale version is **86.9380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5269, 0.3319, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **79.2614, 0.3471, 0.3579**, and if you desaturate by 10%, it is **94.6698, 0.3128, 0.3290**.

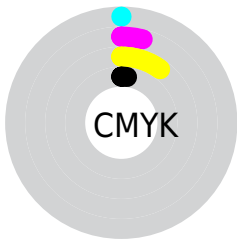
Distribution



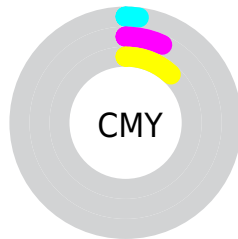
- Red (98%)
- Green (93%)
- Blue (88%)



- Red (96%)
- Yellow (98%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6706, 0.3289, 0.3431 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 86.6706, 0.3289, 0.3431 by changing the saturation by 10% instead.


 86.6706, 0.3289,
0.3431

 86.6706, 0.3289,
0.3431


517.1399, 0.3216,
0.3368

 65.2226, 0.3305,
0.3445


142.7049, 0.3264,
0.3410

 47.6416, 0.3325,
0.3462


178.0601, 0.3254,
0.3401

 33.5432, 0.3349,
0.3483


218.8198, 0.3246,
0.3394

 22.5429, 0.3381,
0.3510

265.3684, 0.3239,
0.3387

 14.2563, 0.3423,
0.3546

318.0903, 0.3232,
0.3382

 8.2992, 0.3481,
0.3595

377.3699, 0.3226,

 4.2870, 0.3569,

0.3377

0.3669

443.5916, 0.3221,
0.3372

■ 1.8354, 0.3711,
0.3787

■ 0.5091, 0.5039,
0.4961

■ 86.6706, 0.3289,
0.3431

■ 86.6706, 0.3289,
0.3431

■ 79.2614, 0.3471,
0.3579

■ 94.6698, 0.3128,
0.3290

■ 72.4156, 0.3675,
0.3731

■ 98.8729, 0.3090,
0.3290

■ 66.1208, 0.3898,
0.3882

■ 60.3600, 0.4139,
0.4023

■ 55.1148, 0.4389,
0.4145

■ 50.3655, 0.4639,
0.4235

■ 46.0904, 0.4874,
0.4280

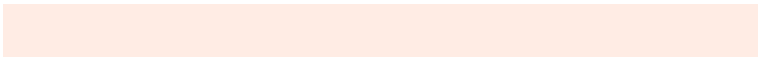
■ 42.2646, 0.5080,
0.4272

■ 38.8634, 0.5250,
0.4214

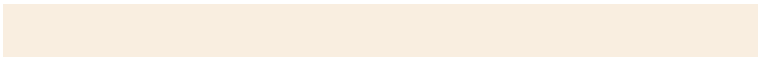
Harmonies

Analogous

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



86.6706, 0.3311, 0.3372



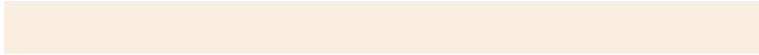
86.6706, 0.3289, 0.3431



86.6706, 0.3223, 0.3453

Triad

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



86.6706, 0.3289, 0.3431



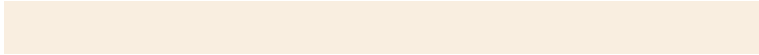
86.6706, 0.2974, 0.3285



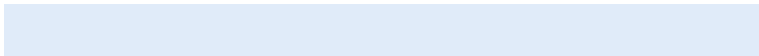
86.6706, 0.3120, 0.3155

Complementary

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



86.6706, 0.3289, 0.3431



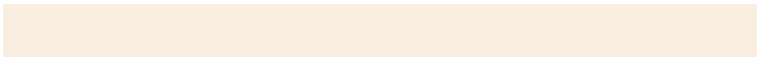
82.0542, 0.2971, 0.3145

Split Complementary

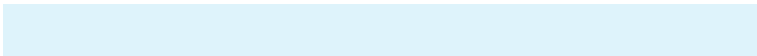
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6706, 0.3030, 0.3131



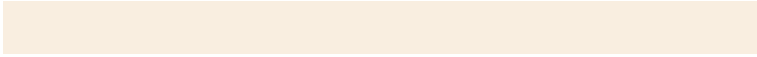
86.6706, 0.3289, 0.3431



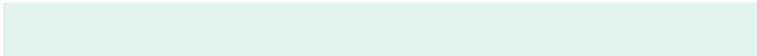
86.6706, 0.2947, 0.3205

Square

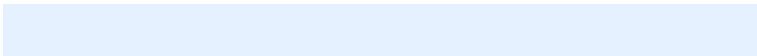
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6706, 0.3289, 0.3431



86.6706, 0.3041, 0.3369



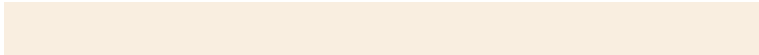
86.6706, 0.2967, 0.3149



86.6706, 0.3212, 0.3213

Rectangle

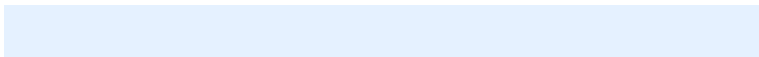
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.6706, 0.3289, 0.3431



86.6706, 0.3164, 0.3443



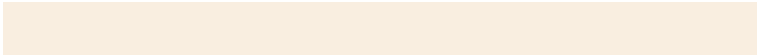
86.6706, 0.2967, 0.3149



86.6706, 0.3088, 0.3143

Sweetspot

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



86.6744, 0.3289, 0.3431



97.3977, 0.3173, 0.3331



79.4449, 0.3229, 0.3178



20.7003, 0.3186, 0.3343



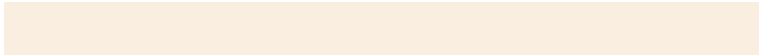
0.0000, 0.0000, 0.0000



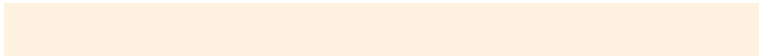
21.4041, 0.3127, 0.3290

Same Dimension

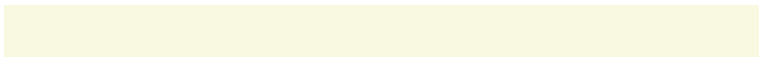
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6744, 0.3289, 0.3431



89.9279, 0.3323, 0.3460



93.0132, 0.3269, 0.3538



18.8437, 0.3280, 0.3423



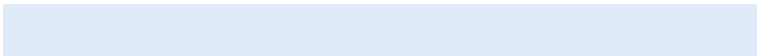
21.0980, 0.5228, 0.4231



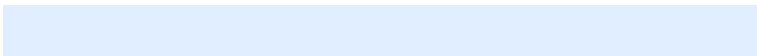
2.1651, 0.5070, 0.4356

Inverse Universe

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



82.0542, 0.2971, 0.3145



84.1659, 0.2939, 0.3114



76.1827, 0.2978, 0.3030



17.8940, 0.2979, 0.3153



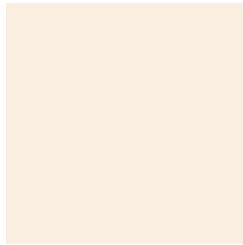
9.7948, 0.1715, 0.1375



1.1141, 0.1779, 0.1605

Previews

White Background



This preview shows how the Yxy color 86.6706, 0.3289, 0.3431 looks on a white background.

Color Contrast Check

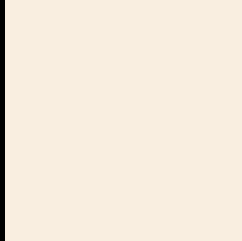
Large Text (above 18pt) WCAG AA × Fail

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 86.6706, 0.3289, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

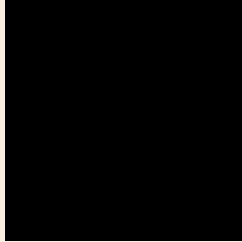
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.6706, 0.3289, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 86.6706, 0.3289, 0.3431.

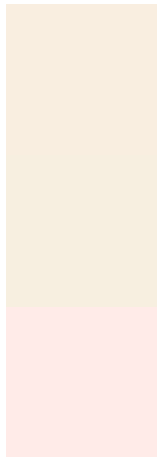


This preview shows how white text looks on a background with the Yxy color 86.6706, 0.3289, 0.3431.

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

86.6706, 0.3289, 0.3431

Protanopia

86.8890, 0.3274, 0.3441

Deuteranopia

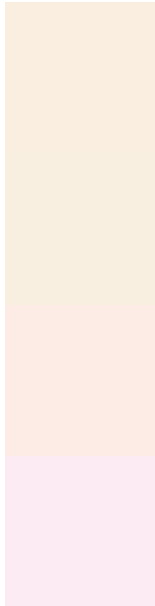
86.5029, 0.3282, 0.3320



Tritanopia

86.7566, 0.3142, 0.3115

Trichromacy



Original Color

86.6706, 0.3289, 0.3431

Protanomaly

87.0713, 0.3281, 0.3441

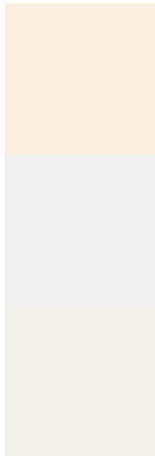
Deuteranomaly

86.5307, 0.3287, 0.3360

Tritanomaly

86.5229, 0.3198, 0.3221

Monochromacy



Original Color

86.6706, 0.3289, 0.3431

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.7282, 0.3184, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6706, 0.3289, 0.3431 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(249, 238, 224)` looks like.

```
.text, #text, p{  
    color:rgb(249, 238, 224)  
}
```

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(249, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 238, 224) }
```

Border

The CSS property to change the border of an element to Yxy 86.6706, 0.3289, 0.3431 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(249, 238, 224) }
```

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

```
.border{ border-color:rgb(249, 238, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 238, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(249, 238,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6706, 0.3289, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 238, 224) }
```

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

```
.background{ background-color: rgb(249,  
238, 224) }
```

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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