

Converting Colors

$Yxy(86.7346, 0.3322, 0.3672)$

Have a look what the booklet for
Yxy(86.7346, 0.3322, 0.3672)
contains.

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Color

Yxy(86.7346, 0.3322, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	EEF3CE
RGB	238, 243, 206
RGB Percent	93%, 95%, 81%
CMY	0.0664, 0.0471, 0.1921
CMYK	0.02, 0.00, 0.15, 0.05
HSL	68°, 61%, 88%
HSV	68°, 15%, 95%
XYZ	78.4674, 86.7346, 71.0033
YIQ	237.2870, 8.8970, -12.5670

Conversions

Conversions Part 2

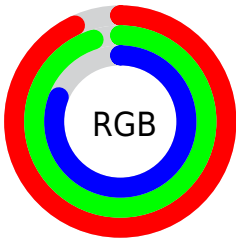
Format	Color
R _Y B	206, 243, 211
Decimal	15659982
CIE Lab	94.63, -7.78, 17.30
CIE LCh	95, 18.969, 114.224
Yxy	86.7346, 0.3322, 0.3672
Android (android.graphics.Color)	4293850062 (0xFFEEF3CE)
YUV	237.2870, -15.4245, 0.6253
Hunter-Lab	93.1314, -12.5857, 19.9893

Details

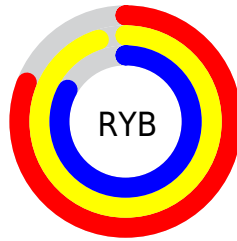
The Yxy color $86.7346, 0.3322, 0.3672$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $64.4568, 0.2915, 0.2886$, and the grayscale version is $85.0461, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.7527, 0.3360, 0.3756$ is the 20% darker color. If you saturate the color by 10%, you get $85.0919, 0.3451, 0.3933$, and if you desaturate by 10%, it is $88.5776, 0.3193, 0.3418$.

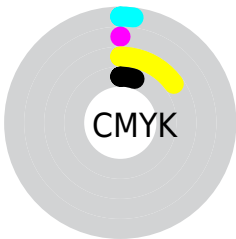
Distribution



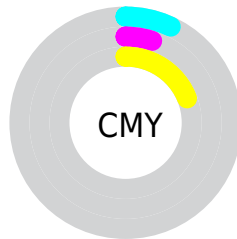
- Red (93%)
- Green (95%)
- Blue (81%)



- Red (81%)
- Yellow (95%)
- Blue (83%)



- Cyan (2%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7346, 0.3322, 0.3672 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 86.7346, 0.3322, 0.3672 by changing the saturation by 10% instead.

86.7346, 0.3322,
0.3672

86.7346, 0.3322,
0.3672

517.3504, 0.3236,
0.3498

65.2756, 0.3341,
0.3711

142.7942, 0.3293,
0.3612

47.6846, 0.3363,
0.3759

178.1635, 0.3281,
0.3589

33.5772, 0.3391,
0.3818

218.9384, 0.3271,
0.3569

22.5690, 0.3426,
0.3896

265.5033, 0.3263,
0.3551

14.2756, 0.3471,
0.3999

318.2425, 0.3255,
0.3536

8.3126, 0.3531,
0.4143

377.5405, 0.3248,

4.2956, 0.3615,

0.3522

0.4359

443.7817, 0.3242,
0.3509

■ 1.8403, 0.3785,
0.4778

■ 0.5121, 0.3669,
0.6331

■ 86.7346, 0.3322,
0.3672

■ 86.7346, 0.3322,
0.3672

■ 85.0919, 0.3451,
0.3933

■ 88.5776, 0.3193,
0.3418

■ 83.6296, 0.3576,
0.4194

■ 90.6172, 0.3068,
0.3176

■ 82.3425, 0.3692,
0.4445

■ 91.2281, 0.3086,
0.3173

■ 81.2207, 0.3793,
0.4675

■ 91.8239, 0.3107,
0.3174

■ 80.2532, 0.3873,
0.4875

■ 92.4301, 0.3128,
0.3175

■ 79.4279, 0.3928,
0.5034

■ 92.5736, 0.3133,
0.3175

■ 78.7302, 0.3957,
0.5149

■ 78.1427, 0.3961,
0.5218

■ 77.8880, 0.3957,
0.5240

Harmonies

Analogous

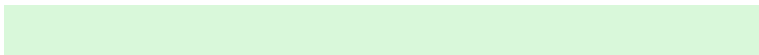
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7346, 0.3487, 0.3625



86.7346, 0.3322, 0.3672



86.7346, 0.3108, 0.3609

Triad

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



86.7346, 0.3322, 0.3672



86.7346, 0.2717, 0.3068



86.7346, 0.3348, 0.3135

Complementary

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



86.7346, 0.3322, 0.3672



64.4568, 0.2915, 0.2886

Split Complementary

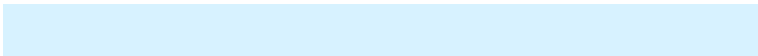
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7346, 0.3134, 0.2998



86.7346, 0.3322, 0.3672



86.7346, 0.2775, 0.2955

Square

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



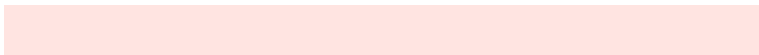
86.7346, 0.3322, 0.3672



86.7346, 0.2764, 0.3248



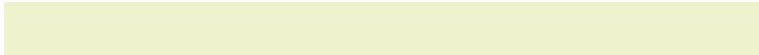
86.7346, 0.2926, 0.2932



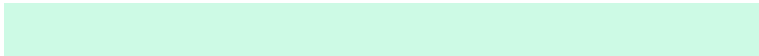
86.7346, 0.3504, 0.3313

Rectangle

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



86.7346, 0.3322, 0.3672



86.7346, 0.2968, 0.3511



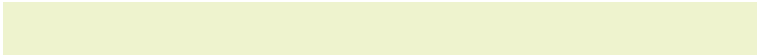
86.7346, 0.2926, 0.2932



86.7346, 0.3280, 0.3083

Sweetspot

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



86.7384, 0.3322, 0.3672



98.8852, 0.3190, 0.3413



69.7624, 0.3406, 0.3336



21.1329, 0.3199, 0.3430



0.0000, 0.0000, 0.0000



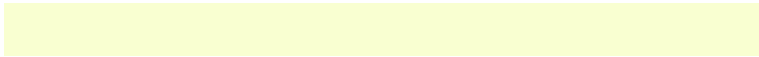
21.4041, 0.3127, 0.3290

Same Dimension

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



86.7384, 0.3322, 0.3672



96.2475, 0.3359, 0.3745



83.7948, 0.3201, 0.3687



19.1951, 0.3248, 0.3525



42.7958, 0.3960, 0.5237



3.7917, 0.3991, 0.5213

Inverse Universe

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



64.4568, 0.2915, 0.2886



67.3492, 0.2870, 0.2803



67.2449, 0.3042, 0.2901



16.0325, 0.3000, 0.3047



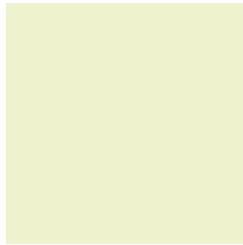
3.7555, 0.1551, 0.0628



0.3625, 0.1640, 0.0677

Previews

White Background



This preview shows how the Yxy color 86.7346, 0.3322, 0.3672 looks on a white background.

Color Contrast Check

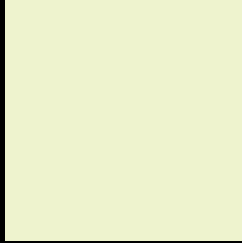
Large Text (above 18pt) WCAG AA × Fail

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 86.7346, 0.3322, 0.3672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

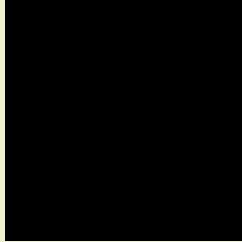
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

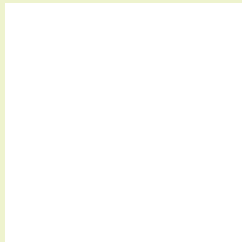
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7346, 0.3322, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 86.7346, 0.3322, 0.3672.

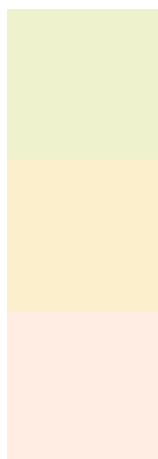


This preview shows how white text looks on a background with the Yxy color 86.7346, 0.3322, 0.3672.

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

86.7346, 0.3322, 0.3672

Protanopia

86.7881, 0.3438, 0.3643

Deuteranopia

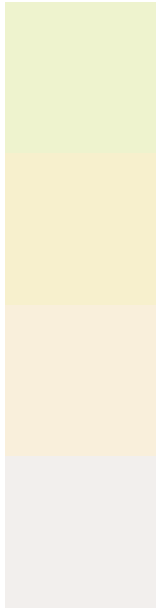
86.7970, 0.3313, 0.3379



Tritanopia

86.6234, 0.3070, 0.3103

Trichromacy



Original Color

86.7346, 0.3322, 0.3672

Protanomaly

86.5021, 0.3395, 0.3646

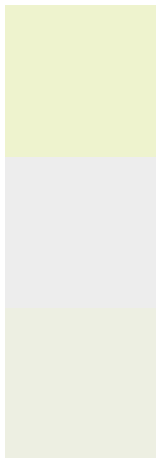
Deuteranomaly

86.9872, 0.3320, 0.3491

Tritanomaly

86.7247, 0.3159, 0.3310

Monochromacy



Original Color

86.7346, 0.3322, 0.3672

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.2285, 0.3194, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7346, 0.3322, 0.3672 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(238, 243, 206)` looks like.

```
.text, #text, p{  
    color:rgb(238, 243, 206)  
}
```

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(238, 243, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 243, 206) }
```

Border

The CSS property to change the border of an element to Yxy 86.7346, 0.3322, 0.3672 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(238, 243, 206) }
```

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

```
.border{ border-color:rgb(238, 243, 206) }
```

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

Here you see how a box with a 4 pixel rgb(238, 243, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 243, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 243, 206);  
box-shadow:4px 4px 4px 4px rgb(238, 243,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7346, 0.3322, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 243, 206) }
```

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

```
.background{ background-color: rgb(238,  
243, 206) }
```

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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