

Converting Colors

$Yxy(86.7895, 0.3294, 0.3773)$

Have a look what the booklet for
Yxy(86.7895, 0.3294, 0.3773)
contains.

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Color

Yxy(86.7397, 0.3293, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	E5F6C8
RGB	229, 246, 200
RGB Percent	90%, 96%, 78%
CMY	0.1021, 0.0352, 0.2156
CMYK	0.07, 0.00, 0.19, 0.04
HSL	82°, 72%, 87%
HSV	82°, 19%, 96%
XYZ	75.6846, 86.7397, 67.4106
YIQ	235.6730, 4.6340, -17.9100

Conversions

Conversions Part 2

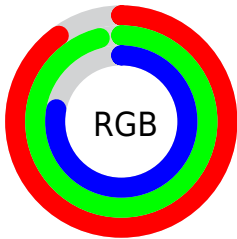
Format	Color
R _Y B	200, 246, 217
Decimal	15070920
CIE Lab	94.63, -13.40, 20.28
CIE LCh	95, 24.308, 123.464
Yxy	86.7397, 0.3293, 0.3774
Android (android.graphics.Color)	4293261000 (0xFFE5F6C8)
YUV	235.6730, -17.5868, -5.8522
Hunter-Lab	93.1342, -17.9283, 22.2797

Details

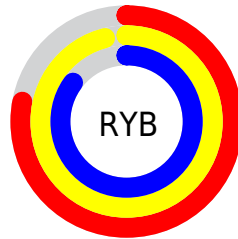
The Yxy color **86.7397, 0.3293, 0.3774** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.7401, 0.2937, 0.2794**, and the grayscale version is **83.7499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7865, 0.3323, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **84.2220, 0.3379, 0.4054**, and if you desaturate by 10%, it is **89.5290, 0.3204, 0.3507**.

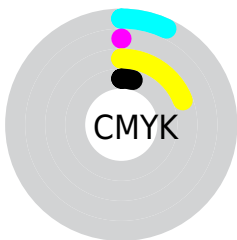
Distribution



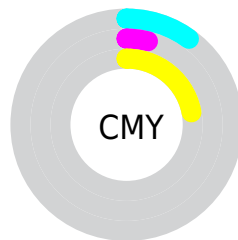
- Red (90%)
- Green (96%)
- Blue (78%)



- Red (78%)
- Yellow (96%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (19%)
- Black (4%)




- Cyan (10%)
- Magenta (4%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7397, 0.3293, 0.3774 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 86.7397, 0.3293, 0.3774 by changing the saturation by 10% instead.


 86.7397, 0.3293,
0.3774

 86.7397, 0.3293,
0.3774


517.3671, 0.3222,
0.3552

 65.2798, 0.3308,
0.3824


142.8013, 0.3269,
0.3697

 47.6880, 0.3326,
0.3886


178.1717, 0.3260,
0.3668

 33.5799, 0.3348,
0.3963


218.9479, 0.3251,
0.3642

 22.5710, 0.3374,
0.4064

265.5141, 0.3244,
0.3619

 14.2771, 0.3408,
0.4199

318.2547, 0.3237,
0.3599

 8.3136, 0.3449,
0.4389

377.5541, 0.3232,

 4.2963, 0.3499,

0.3582

0.4675

443.7968, 0.3226,
0.3566

■ 1.8406, 0.3673,
0.5328

■ 0.5123, 0.2377,
0.7623

■ 86.7397, 0.3293,
0.3774

■ 86.7397, 0.3293,
0.3774

■ 84.2220, 0.3379,
0.4054

■ 89.5290, 0.3204,
0.3507

■ 81.9546, 0.3458,
0.4340

■ 92.5880, 0.3116,
0.3259

■ 79.9303, 0.3526,
0.4622

■ 94.4021, 0.3131,
0.3204

■ 78.1376, 0.3577,
0.4888

■ 76.5635, 0.3607,
0.5124

■ 75.1933, 0.3613,
0.5318

■ 74.0101, 0.3594,
0.5462

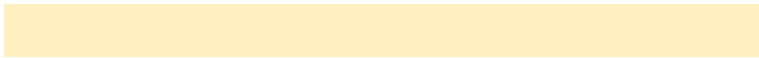
■ 72.9896, 0.3553,
0.5555

■ 72.8643, 0.3547,
0.5566

Harmonies

Analogous

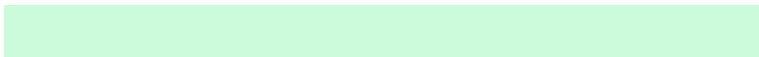
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7397, 0.3533, 0.3751



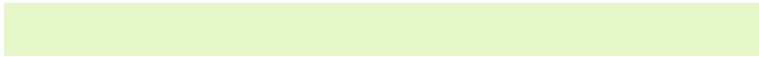
86.7397, 0.3293, 0.3774



86.7397, 0.3016, 0.3650

Triad

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



86.7397, 0.3293, 0.3774



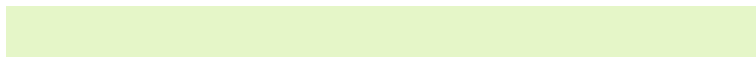
86.7397, 0.2615, 0.2948



86.7397, 0.3483, 0.3158

Complementary

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



86.7397, 0.3293, 0.3774



62.7401, 0.2937, 0.2794

Split Complementary

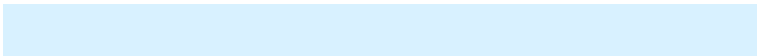
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7397, 0.3222, 0.2965



86.7397, 0.3293, 0.3774



86.7397, 0.2726, 0.2842

Square

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



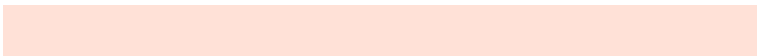
86.7397, 0.3293, 0.3774



86.7397, 0.2633, 0.3155



86.7397, 0.2945, 0.2851



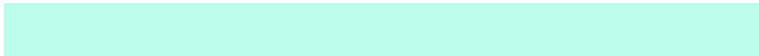
86.7397, 0.3648, 0.3388

Rectangle

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



86.7397, 0.3293, 0.3774



86.7397, 0.2848, 0.3502



86.7397, 0.2945, 0.2851



86.7397, 0.3403, 0.3087

Sweetspot

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



86.7435, 0.3293, 0.3774



97.9926, 0.3180, 0.3439



73.3354, 0.3462, 0.3467



20.9291, 0.3186, 0.3455



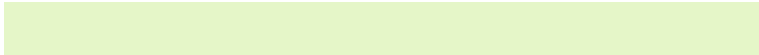
0.0000, 0.0000, 0.0000



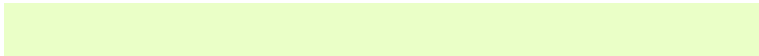
21.4041, 0.3127, 0.3290

Same Dimension

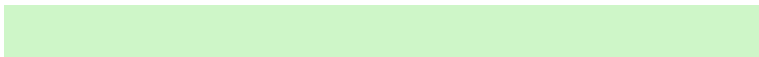
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7435, 0.3293, 0.3774



93.1625, 0.3322, 0.3867



83.2376, 0.3142, 0.3797



18.9884, 0.3211, 0.3528



38.9685, 0.3557, 0.5558



3.4833, 0.3636, 0.5495

Inverse Universe

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



62.7401, 0.2937, 0.2794



63.1922, 0.2897, 0.2697



66.4798, 0.3103, 0.2819



16.2261, 0.3037, 0.3049



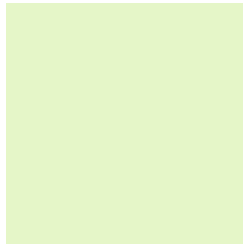
4.8193, 0.1799, 0.0765



0.4800, 0.1937, 0.0841

Previews

White Background



This preview shows how the Yxy color 86.7397, 0.3293, 0.3774 looks on a white background.

Color Contrast Check

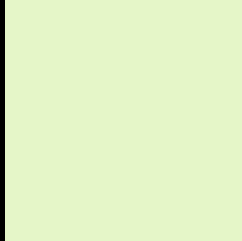
Large Text (above 18pt) WCAG AA × Fail

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 86.7397, 0.3293, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

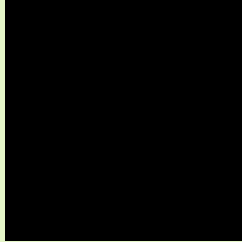
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

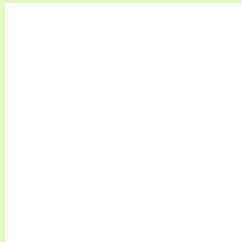
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7397, 0.3293, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 86.7397, 0.3293, 0.3774.

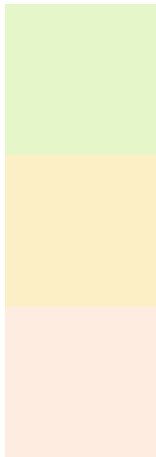


This preview shows how white text looks on a background with the Yxy color 86.7397, 0.3293, 0.3774.

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

86.7397, 0.3293, 0.3774

Protanopia

86.6469, 0.3491, 0.3713

Deuteranopia

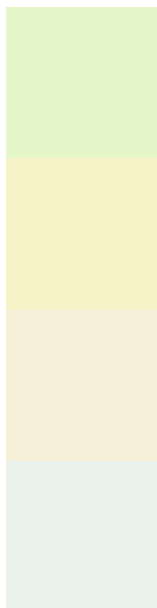
86.6871, 0.3326, 0.3399



Tritanopia

86.5462, 0.3025, 0.3121

Trichromacy



Original Color

86.7397, 0.3293, 0.3774

Protanomaly

86.8146, 0.3415, 0.3741

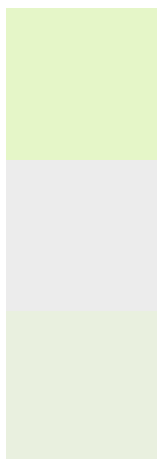
Deuteranomaly

86.8709, 0.3317, 0.3533

Tritanomaly

86.5709, 0.3124, 0.3351

Monochromacy



Original Color

86.7397, 0.3293, 0.3774

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.9715, 0.3185, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7397, 0.3293, 0.3774 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(229, 246, 200)` looks like.

```
.text, #text, p{  
    color:rgb(229, 246, 200)  
}
```

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(229, 246, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 246, 200) }
```

Border

The CSS property to change the border of an element to Yxy 86.7397, 0.3293, 0.3774 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(229, 246, 200) }
```

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

```
.border{ border-color:rgb(229, 246, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 246, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 246, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 246, 200);  
box-shadow:4px 4px 4px 4px rgb(229, 246,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7397, 0.3293, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 246, 200) }
```

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

```
.background{ background-color: rgb(229,  
246, 200) }
```

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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