

Converting Colors

$Yxy(87.6820, 0.3393, 0.3895)$

Have a look what the booklet for
Yxy(87.6820, 0.3393, 0.3895)
contains.

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Color

Yxy(87.6881, 0.3393, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	EA7BD
RGB	234, 247, 189
RGB Percent	92%, 97%, 74%
CMY	0.0822, 0.0314, 0.2587
CMYK	0.05, 0.00, 0.23, 0.03
HSL	73°, 78%, 85%
HSV	73°, 23%, 97%
XYZ	76.3866, 87.6881, 61.0552
YIQ	236.5010, 10.8700, -20.7940

Conversions

Conversions Part 2

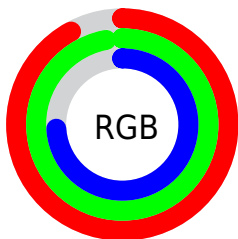
Format	Color
RYB	189, 247, 202
Decimal	15398845
CIELab	95.03, -13.71, 26.51
CIElCh	95, 29.841, 117.345
Yxy	87.6881, 0.3393, 0.3895
Android (android.graphics.Color)	4293588925 (0xFFEAF7BD)
YUV	236.5010, -23.4180, -2.1934
Hunter-Lab	93.6419, -18.2655, 26.8918

Details

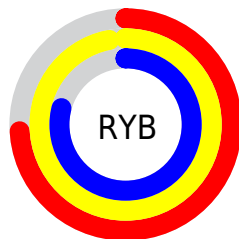
The Yxy color **87.6881, 0.3393, 0.3895** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.6752, 0.2817, 0.2643**, and the grayscale version is **84.4683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **48.4759, 0.3449, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **85.7881, 0.3503, 0.4165**, and if you desaturate by 10%, it is **89.8076, 0.3279, 0.3629**.

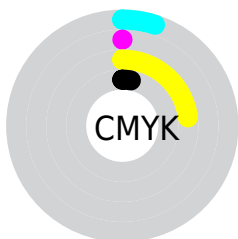
Distribution



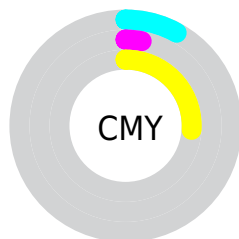
- Red (92%)
- Green (97%)
- Blue (74%)



- Red (74%)
- Yellow (97%)
- Blue (79%)



- Cyan (5%)
- Magenta (0%)
- Yellow (23%)
- Black (3%)





- Cyan (8%)
- Magenta (3%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6881, 0.3393, 0.3895 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 87.6881, 0.3393, 0.3895 by changing the saturation by 10% instead.


 87.6881, 0.3393,
0.3895

 87.6881, 0.3393,
0.3895


520.4813, 0.3278,
0.3618

 66.0648, 0.3417,
0.3957

 144.1228, 0.3355,
0.3800

 48.3250, 0.3446,
0.4033

179.7031, 0.3340,
0.3763

 34.0843, 0.3480,
0.4129


220.7044, 0.3326,
0.3730

 22.9584, 0.3522,
0.4251

267.5112, 0.3314,
0.3702

 14.5628, 0.3573,
0.4414

320.5079, 0.3304,
0.3677

 8.5131, 0.3636,
0.4640


380.0789, 0.3295,


 4.4250, 0.3708,

0.3656


0.4969


446.6086, 0.3286,
0.3636

 1.9140, 0.4073,
0.5927


 0.5568, 0.2590,
0.7410


 87.6881, 0.3393,
0.3895


 87.6881, 0.3393,
0.3895


 85.7881, 0.3503,
0.4165


 89.8076, 0.3279,
0.3629


 84.0866, 0.3604,
0.4431

 92.1440, 0.3166,
0.3375

 82.5771, 0.3691,
0.4682

 94.1751, 0.3103,
0.3213

 81.2483, 0.3758,
0.4906

 94.9994, 0.3131,
0.3214

■ 80.0873, 0.3802,
0.5092

■ 79.0795, 0.3820,
0.5234

■ 78.2070, 0.3811,
0.5327

■ 77.6934, 0.3796,
0.5368

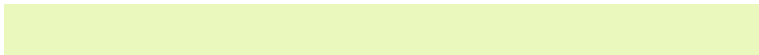
Harmonies

Analogous

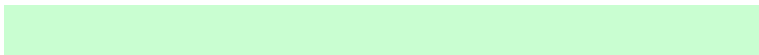
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6881, 0.3668, 0.3826



87.6881, 0.3393, 0.3895



87.6881, 0.3057, 0.3781

Triad

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



87.6881, 0.3393, 0.3895



87.6881, 0.2498, 0.2912



87.6881, 0.3504, 0.3075

Complementary

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



87.6881, 0.3393, 0.3895



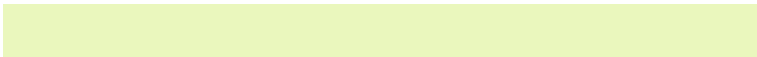
55.6752, 0.2817, 0.2643

Split Complementary

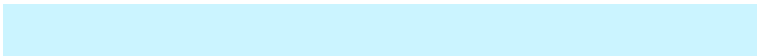
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6881, 0.3170, 0.2861



87.6881, 0.3393, 0.3895



87.6881, 0.2601, 0.2760

Square

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



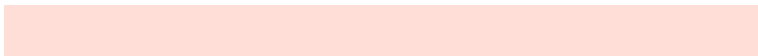
87.6881, 0.3393, 0.3895



87.6881, 0.2551, 0.3184



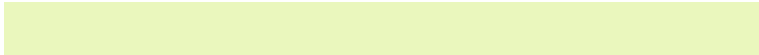
87.6881, 0.2841, 0.2746



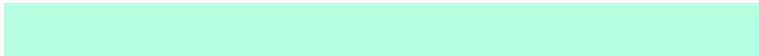
87.6881, 0.3739, 0.3346

Rectangle

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



87.6881, 0.3393, 0.3895



87.6881, 0.2844, 0.3612



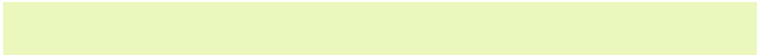
87.6881, 0.2841, 0.2746



87.6881, 0.3398, 0.2995

Sweetspot

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



87.6920, 0.3393, 0.3895



98.1538, 0.3206, 0.3463



65.4946, 0.3585, 0.3425



20.9761, 0.3213, 0.3479



0.0000, 0.0000, 0.0000



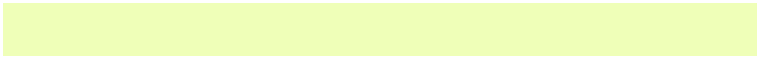
21.4041, 0.3127, 0.3290

Same Dimension

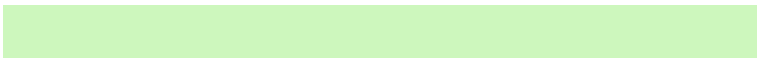
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6920, 0.3393, 0.3895



93.3199, 0.3444, 0.4019



83.2376, 0.3201, 0.3933



19.1157, 0.3234, 0.3526



41.1567, 0.3802, 0.5363



3.6621, 0.3854, 0.5322

Inverse Universe

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



55.6752, 0.2817, 0.2643



53.5553, 0.2746, 0.2500



60.0377, 0.3029, 0.2682



16.1054, 0.3014, 0.3048



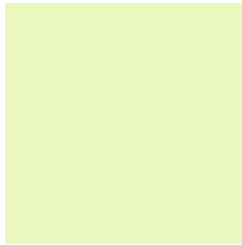
4.0362, 0.1619, 0.0665



0.3986, 0.1735, 0.0730

Previews

White Background



This preview shows how the Yxy color 87.6881, 0.3393, 0.3895 looks on a white background.

Color Contrast Check

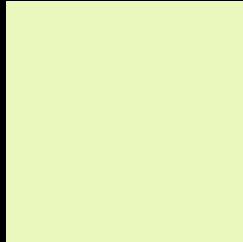
Large Text (above 18pt) WCAG AA × Fail

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 87.6881, 0.3393, 0.3895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

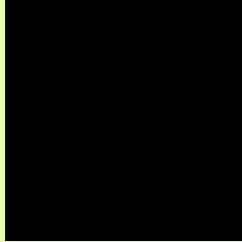
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

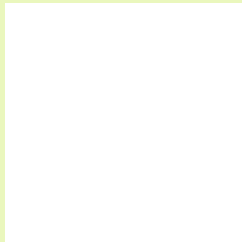
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6881, 0.3393, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 87.6881, 0.3393, 0.3895.

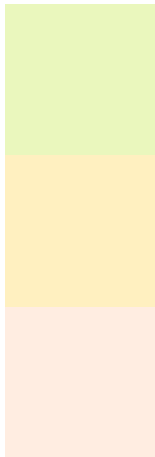


This preview shows how white text looks on a background with the Yxy color 87.6881, 0.3393, 0.3895.

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

87.6881, 0.3393, 0.3895

Protanopia

87.3859, 0.3535, 0.3771

Deuteranopia

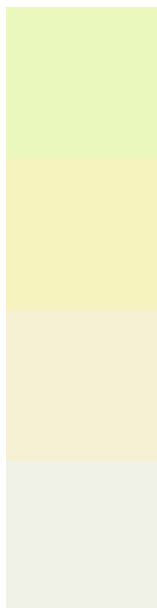
87.2646, 0.3325, 0.3409



Tritanopia

87.4238, 0.3057, 0.3122

Trichromacy



Original Color

87.6881, 0.3393, 0.3895

Protanomaly

87.6369, 0.3478, 0.3819

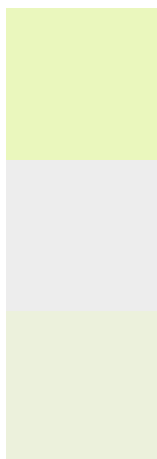
Deuteranomaly

87.4382, 0.3348, 0.3584

Tritanomaly

87.2054, 0.3182, 0.3391

Monochromacy



Original Color

87.6881, 0.3393, 0.3895

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.9108, 0.3223, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6881, 0.3393, 0.3895 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(234, 247, 189)` looks like.

```
.text, #text, p{  
    color:rgb(234, 247, 189)  
}
```

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(234, 247, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 247, 189) }
```

Border

The CSS property to change the border of an element to Yxy 87.6881, 0.3393, 0.3895 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(234, 247, 189) }
```

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

```
.border{ border-color:rgb(234, 247, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 247, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 247, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 247, 189);  
box-shadow:4px 4px 4px 4px rgb(234, 247,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6881, 0.3393, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 247, 189) }
```

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

```
.background{ background-color: rgb(234,  
247, 189) }
```

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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