

Converting Colors

Yxy(86.2163, 0.3402, 0.3899)

Have a look what the booklet for
Yxy(86.2163, 0.3402, 0.3899)
contains.

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Color

Yxy(86.2163, 0.3402, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	E9F5BB
RGB	233, 245, 187
RGB Percent	91%, 96%, 73%
CMY	0.0862, 0.0392, 0.2667
CMYK	0.05, 0.00, 0.24, 0.04
HSL	72°, 74%, 85%
HSV	72°, 24%, 96%
XYZ	75.2264, 86.2163, 59.6814
YIQ	234.8000, 11.4660, -20.5820

Conversions

Conversions Part 2

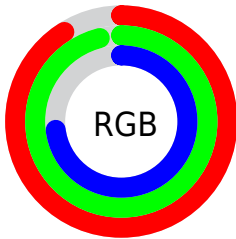
Format	Color
RYB	187, 245, 199
Decimal	15332795
CIELab	94.40, -13.38, 26.68
CIELCh	94, 29.843, 116.638
Yxy	86.2163, 0.3402, 0.3899
Android (android.graphics.Color)	4293522875 (0xFFE9F5BB)
YUV	234.8000, -23.5654, -1.5786
Hunter-Lab	92.8527, -17.8771, 26.8881

Details

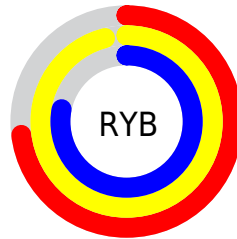
The Yxy color **86.2163, 0.3402, 0.3899** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.2679, 0.2807, 0.2636**, and the grayscale version is **83.0959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **47.4358, 0.3461, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **84.4182, 0.3515, 0.4167**, and if you desaturate by 10%, it is **88.2256, 0.3285, 0.3634**.

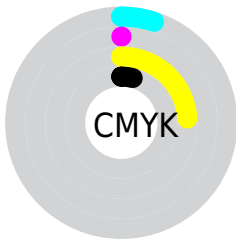
Distribution



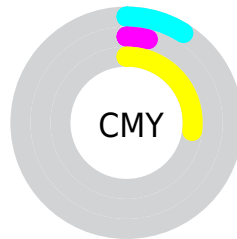
- Red (91%)
- Green (96%)
- Blue (73%)



- Red (73%)
- Yellow (96%)
- Blue (78%)



- Cyan (5%)
- Magenta (0%)
- Yellow (24%)
- Black (4%)





- Cyan (9%)
- Magenta (4%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2163, 0.3402, 0.3899 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 86.2163, 0.3402, 0.3899 by changing the saturation by 10% instead.


 86.2163, 0.3402,
0.3899

 86.2163, 0.3402,
0.3899


515.6442, 0.3283,
0.3620

 64.8469, 0.3427,
0.3962


 142.0713, 0.3362,
0.3803

 47.3369, 0.3457,
0.4039


177.3256, 0.3347,
0.3765

 33.3021, 0.3493,
0.4136


217.9770, 0.3333,
0.3733

 22.3580, 0.3537,
0.4260

264.4099, 0.3320,
0.3704

 14.1202, 0.3591,
0.4426

317.0087, 0.3310,
0.3679

 8.2043, 0.3657,
0.4656

376.1577, 0.3300,

 4.2259, 0.3732,

0.3657

0.4991

442.2414, 0.3291,
0.3638

■ 1.8007, 0.4076,
0.5924

■ 0.4876, 0.2191,
0.7809

■ 86.2163, 0.3402,
0.3899

■ 86.2163, 0.3402,
0.3899

■ 84.4182, 0.3515,
0.4167

■ 88.2256, 0.3285,
0.3634

■ 82.8104, 0.3619,
0.4431

■ 90.4432, 0.3169,
0.3380

■ 81.3868, 0.3708,
0.4678

■ 92.5224, 0.3088,
0.3193

■ 80.1362, 0.3778,
0.4898

■ 93.4622, 0.3121,
0.3194

■ 79.0462, 0.3825,
0.5080

■ 93.7881, 0.3132,
0.3194

■ 78.1023, 0.3845,
0.5217

■ 77.2871, 0.3839,
0.5307

■ 76.8220, 0.3826,
0.5344

Harmonies

Analogous

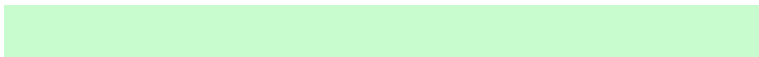
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2163, 0.3676, 0.3825



86.2163, 0.3402, 0.3899



86.2163, 0.3064, 0.3788

Triad

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



86.2163, 0.3402, 0.3899



86.2163, 0.2494, 0.2915



86.2163, 0.3499, 0.3068

Complementary

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



86.2163, 0.3402, 0.3899



54.2679, 0.2807, 0.2636

Split Complementary

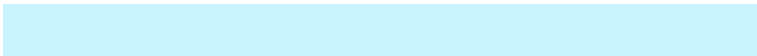
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2163, 0.3162, 0.2855



86.2163, 0.3402, 0.3899



86.2163, 0.2594, 0.2759

Square

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



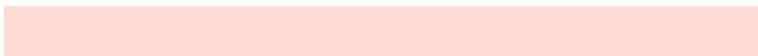
86.2163, 0.3402, 0.3899



86.2163, 0.2551, 0.3190



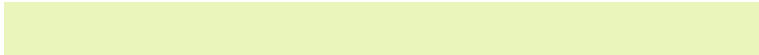
86.2163, 0.2833, 0.2742



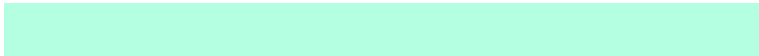
86.2163, 0.3738, 0.3340

Rectangle

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



86.2163, 0.3402, 0.3899



86.2163, 0.2849, 0.3621



86.2163, 0.2833, 0.2742



86.2163, 0.3392, 0.2988

Sweetspot

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



86.2201, 0.3402, 0.3899



98.2098, 0.3208, 0.3463



63.6592, 0.3592, 0.3416



20.9891, 0.3215, 0.3479



0.0000, 0.0000, 0.0000



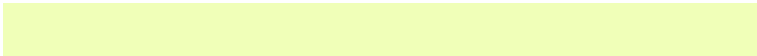
21.4041, 0.3127, 0.3290

Same Dimension

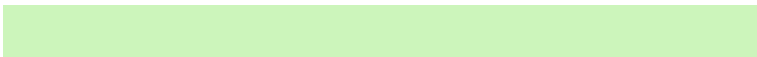
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2201, 0.3402, 0.3899



93.5302, 0.3452, 0.4017



81.7882, 0.3208, 0.3938



19.1305, 0.3236, 0.3526



41.4446, 0.3832, 0.5340



3.6851, 0.3879, 0.5302

Inverse Universe

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



54.2679, 0.2807, 0.2636



53.3906, 0.2737, 0.2498



58.5564, 0.3021, 0.2675



16.0918, 0.3011, 0.3047



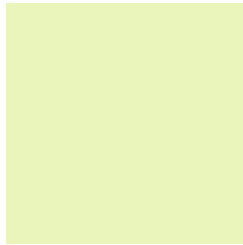
3.9731, 0.1604, 0.0657



0.3912, 0.1716, 0.0719

Previews

White Background



This preview shows how the Yxy color 86.2163, 0.3402, 0.3899 looks on a white background.

Color Contrast Check

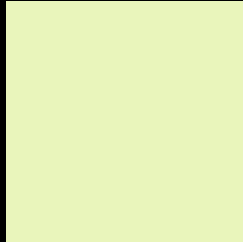
Large Text (above 18pt) WCAG AA × Fail

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 86.2163, 0.3402, 0.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

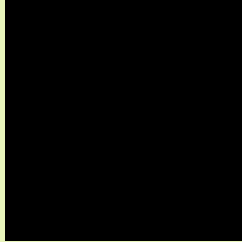
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

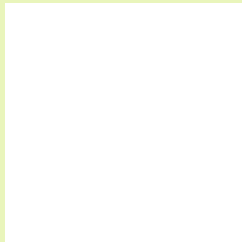
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2163, 0.3402, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 86.2163, 0.3402, 0.3899.

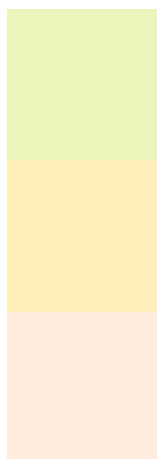


This preview shows how white text looks on a background with the Yxy color 86.2163, 0.3402, 0.3899.

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

86.2163, 0.3402, 0.3899

Protanopia

85.8698, 0.3592, 0.3833

Deuteranopia

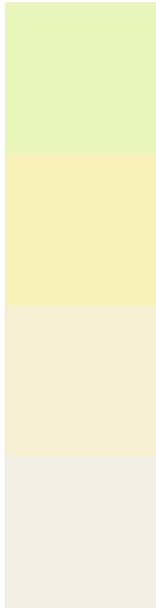
85.8971, 0.3354, 0.3430



Tritanopia

86.0882, 0.3051, 0.3102

Trichromacy



Original Color

86.2163, 0.3402, 0.3899

Protanomaly

86.1875, 0.3521, 0.3862

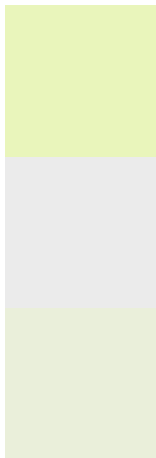
Deuteranomaly

86.1106, 0.3370, 0.3595

Tritanomaly

85.7969, 0.3183, 0.3382

Monochromacy



Original Color

86.2163, 0.3402, 0.3899

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.2874, 0.3224, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2163, 0.3402, 0.3899 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(233, 245, 187)` looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 187)  
}
```

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(233, 245, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 187) }
```

Border

The CSS property to change the border of an element to Yxy 86.2163, 0.3402, 0.3899 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(233, 245, 187) }
```

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

```
.border{ border-color:rgb(233, 245, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 245, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 245, 187); box-shadow:4px 4px 4px 4px rgb(233, 245, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2163, 0.3402, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 187) }
```

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

```
.background{ background-color: rgb(233,  
245, 187) }
```

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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