

Converting Colors

$Yxy(85.2847, 0.3216, 0.3706)$

Have a look what the booklet for
Yxy(85.2847, 0.3216, 0.3706)
contains.

Yxy(85.2906, 0.3211, 0.3706)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.2906, 0.3211, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	DEF5CE
RGB	222, 245, 206
RGB Percent	87%, 96%, 81%
CMY	0.1297, 0.0391, 0.1922
CMYK	0.09, 0.00, 0.16, 0.04
HSL	96°, 66%, 88%
HSV	96°, 16%, 96%
XYZ	73.8986, 85.2906, 70.9528
YIQ	233.6770, -1.1890, -17.0050

Conversions

Conversions Part 2

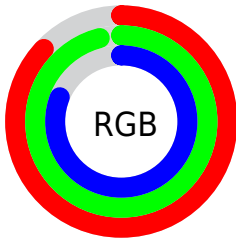
Format	Color
R _Y B	206, 245, 229
Decimal	14611918
CIE Lab	94.01, -14.41, 16.28
CIE LCh	94, 21.737, 131.517
Yxy	85.2906, 0.3211, 0.3706
Android (android.graphics.Color)	4292801998 (0xFFDEF5CE)
YUV	233.6770, -13.6448, -10.2407
Hunter-Lab	92.3529, -18.7862, 19.0958

Details

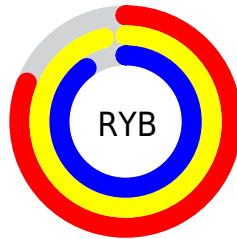
The Yxy color **85.2906, 0.3211, 0.3706** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.4052, 0.3030, 0.2881**, and the grayscale version is **82.1209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8777, 0.3227, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **82.0036, 0.3261, 0.3997**, and if you desaturate by 10%, it is **88.9675, 0.3159, 0.3438**.

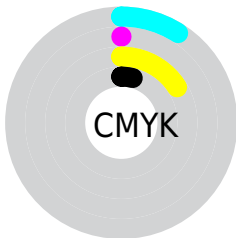
Distribution



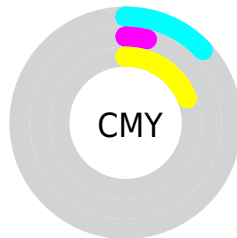
- Red (87%)
- Green (96%)
- Blue (81%)



- Red (81%)
- Yellow (96%)
- Blue (90%)



- Cyan (9%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)




- Cyan (13%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2906, 0.3211, 0.3706 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 85.2906, 0.3211, 0.3706 by changing the saturation by 10% instead.


 85.2906, 0.3211,
0.3706

 85.2906, 0.3211,
0.3706


512.5892, 0.3176,
0.3514

 64.0815, 0.3218,
0.3750

140.7791, 0.3199,
0.3640

 46.7167, 0.3227,
0.3803


175.8273, 0.3195,
0.3614

 32.8118, 0.3237,
0.3871


216.2574, 0.3191,
0.3592

 21.9823, 0.3249,
0.3959

262.4537, 0.3187,
0.3572

 13.8439, 0.3264,
0.4078

314.8006, 0.3184,
0.3555

 8.0122, 0.3281,
0.4249

373.6826, 0.3181,

 4.1027, 0.3300,

0.3540

0.4510

439.4840, 0.3178,
0.3527

■ 1.7312, 0.3360,
0.5038

■ 0.4437, 0.1363,
0.8637

■ 85.2906, 0.3211,
0.3706

■ 85.2906, 0.3211,
0.3706

■ 82.0036, 0.3261,
0.3997

■ 88.9675, 0.3159,
0.3438

■ 79.0820, 0.3304,
0.4304

■ 93.0361, 0.3106,
0.3194

■ 76.5150, 0.3339,
0.4618

■ 93.8009, 0.3132,
0.3195

■ 74.2873, 0.3359,
0.4926

■ 72.3820, 0.3363,
0.5212

■ 70.7806, 0.3348,
0.5457

■ 69.4622, 0.3313,
0.5646

■ 68.4018, 0.3261,
0.5772

■ 68.0312, 0.3239,
0.5811

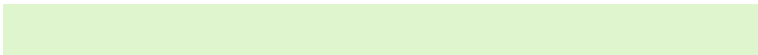
Harmonies

Analogous

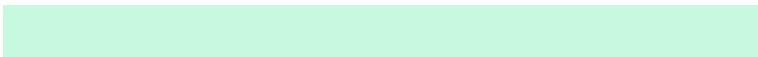
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2906, 0.3442, 0.3723



85.2906, 0.3211, 0.3706



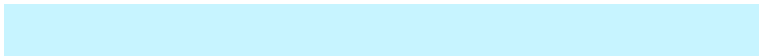
85.2906, 0.2964, 0.3564

Triad

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



85.2906, 0.3211, 0.3706



85.2906, 0.2681, 0.2947



85.2906, 0.3498, 0.3226

Complementary

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



85.2906, 0.3211, 0.3706



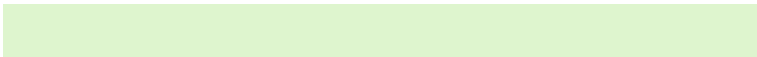
67.4052, 0.3030, 0.2881

Split Complementary

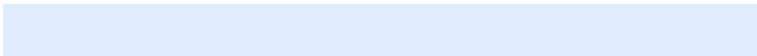
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2906, 0.3281, 0.3038



85.2906, 0.3211, 0.3706



85.2906, 0.2811, 0.2878

Square

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



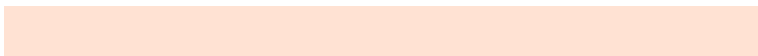
85.2906, 0.3211, 0.3706



85.2906, 0.2665, 0.3113



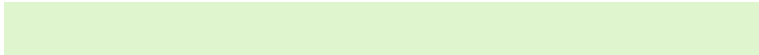
85.2906, 0.3028, 0.2912



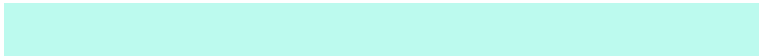
85.2906, 0.3613, 0.3435

Rectangle

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



85.2906, 0.3211, 0.3706



85.2906, 0.2823, 0.3419



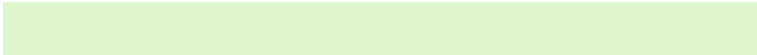
85.2906, 0.3028, 0.2912



85.2906, 0.3434, 0.3158

Sweetspot

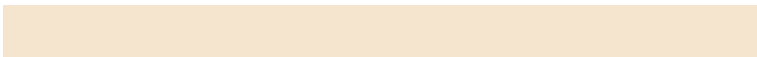
The Sweet Spot groups the original color and five complimentary colors.



85.2943, 0.3211, 0.3706



97.8027, 0.3154, 0.3414



79.7796, 0.3392, 0.3526



20.8696, 0.3157, 0.3432



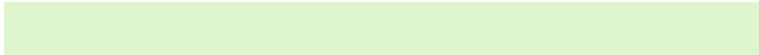
0.0000, 0.0000, 0.0000



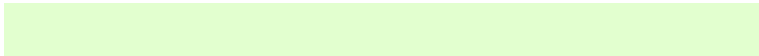
21.4041, 0.3127, 0.3290

Same Dimension

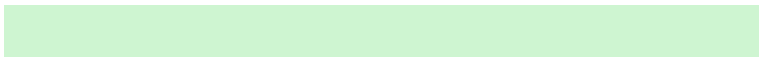
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2943, 0.3211, 0.3706



92.2247, 0.3227, 0.3794



83.0568, 0.3088, 0.3682



18.8022, 0.3177, 0.3530



36.7169, 0.3250, 0.5801



3.2855, 0.3347, 0.5724

Inverse Universe

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



67.4052, 0.3030, 0.2881



69.3281, 0.3008, 0.2796



69.9523, 0.3168, 0.2927



16.4114, 0.3072, 0.3052



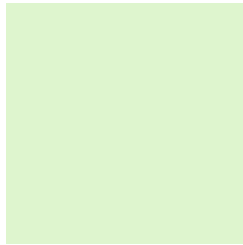
6.8771, 0.2213, 0.0993



0.6644, 0.2335, 0.1060

Previews

White Background



This preview shows how the Yxy color 85.2906, 0.3211, 0.3706 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 85.2906, 0.3211, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

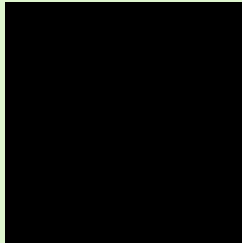
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

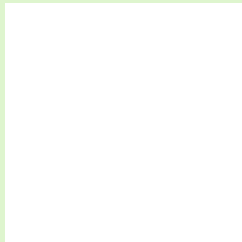
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.2906, 0.3211, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 85.2906, 0.3211, 0.3706.

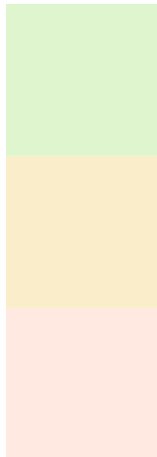


This preview shows how white text looks on a background with the Yxy color 85.2906, 0.3211, 0.3706.

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

85.2906, 0.3211, 0.3706

Protanopia

85.1566, 0.3440, 0.3645

Deuteranopia

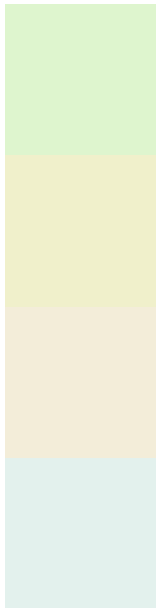
84.9196, 0.3337, 0.3380



Tritanopia

85.1921, 0.2974, 0.3118

Trichromacy



Original Color

85.2906, 0.3211, 0.3706

Protanomaly

85.1572, 0.3359, 0.3673

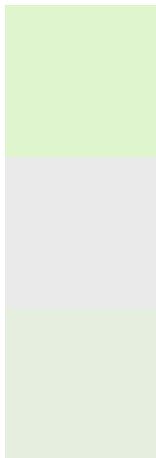
Deuteranomaly

84.6328, 0.3294, 0.3495

Tritanomaly

85.3559, 0.3060, 0.3331

Monochromacy



Original Color

85.2906, 0.3211, 0.3706

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.3539, 0.3160, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2906, 0.3211, 0.3706 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(222, 245, 206)` looks like.

```
.text, #text, p{  
    color:rgb(222, 245, 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(222, 245, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 245, 206) }
```

Border

The CSS property to change the border of an element to Yxy 85.2906, 0.3211, 0.3706 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(222, 245, 206) }
```

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

```
.border{ border-color:rgb(222, 245, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 245, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 245, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 245, 206);  
box-shadow:4px 4px 4px 4px rgb(222, 245,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2906, 0.3211, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 245, 206) }
```

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

```
.background{ background-color: rgb(222,  
245, 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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