

Converting Colors

$Yxy(87.9902, 0.3194, 0.3604)$

Have a look what the booklet for
Yxy(87.9902, 0.3194, 0.3604)
contains.

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Color

Yxy(88.1374, 0.3196, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	E5F7D8
RGB	229, 247, 216
RGB Percent	90%, 97%, 85%
CMY	0.1020, 0.0313, 0.1531
CMYK	0.07, 0.00, 0.13, 0.03
HSL	95°, 66%, 91%
HSV	95°, 13%, 97%
XYZ	77.9649, 88.1374, 77.8429
YIQ	238.0840, -0.7770, -13.4570

Conversions

Conversions Part 2

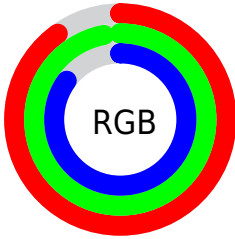
Format	Color
R _Y B	216, 247, 234
Decimal	15071192
CIE Lab	95.22, -11.34, 12.92
CIE LCh	95, 17.195, 131.276
Yxy	88.1374, 0.3196, 0.3613
Android (android.graphics.Color)	4293261272 (0xFFE5F7D8)
YUV	238.0840, -10.8874, -7.9667
Hunter-Lab	93.8815, -16.0555, 16.5561

Details

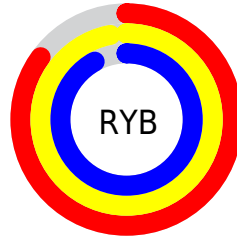
The Yxy color **88.1374, 0.3196, 0.3613** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.2964, 0.3050, 0.2971**, and the grayscale version is **85.6555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7190, 0.3207, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **84.6980, 0.3249, 0.3896**, and if you desaturate by 10%, it is **91.9709, 0.3141, 0.3353**.

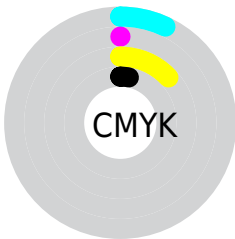
Distribution



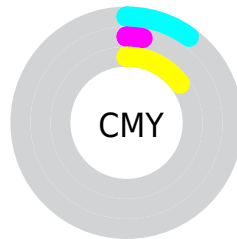
- Red (90%)
- Green (97%)
- Blue (85%)



- Red (85%)
- Yellow (97%)
- Blue (92%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)



- Cyan (10%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1374, 0.3196, 0.3613 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 88.1374, 0.3196, 0.3613 by changing the saturation by 10% instead.

88.1374, 0.3196,
0.3613

88.1374, 0.3196,
0.3613

521.9531, 0.3167,
0.3466

66.4369, 0.3202,
0.3646

144.7484, 0.3186,
0.3562

48.6271, 0.3209,
0.3687

180.4277, 0.3182,
0.3543

34.3238, 0.3218,
0.3738

221.5354, 0.3179,
0.3525

23.1425, 0.3229,
0.3804

268.4558, 0.3176,
0.3510

14.6987, 0.3243,
0.3893

321.5734, 0.3173,
0.3497

8.6082, 0.3260,
0.4018

381.2725, 0.3171,

4.4865, 0.3282,

0.3486

0.4209

447.9376, 0.3169,
0.3475

■ 1.9493, 0.3306,
0.4530

■ 0.5777, 0.3203,
0.6797

■ 88.1374, 0.3196,
0.3613

■ 88.1374, 0.3196,
0.3613

■ 84.6980, 0.3249,
0.3896

■ 91.9709, 0.3141,
0.3353

■ 81.6282, 0.3297,
0.4198

■ 95.0068, 0.3131,
0.3214

■ 78.9176, 0.3337,
0.4510

■ 76.5512, 0.3364,
0.4820

■ 74.5129, 0.3376,
0.5113

■ 72.7847, 0.3368,
0.5372

■ 71.3466, 0.3340,
0.5580

■ 70.1753, 0.3294,
0.5726

■ 69.4545, 0.3252,
0.5800

Harmonies

Analogous

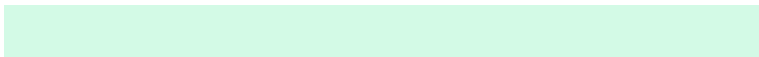
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1374, 0.3376, 0.3628



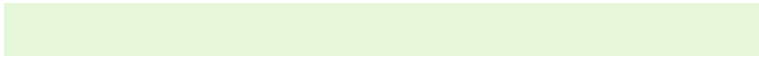
88.1374, 0.3196, 0.3613



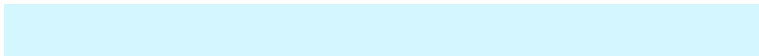
88.1374, 0.3002, 0.3503

Triad

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



88.1374, 0.3196, 0.3613



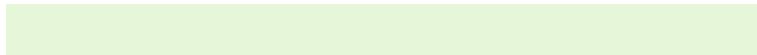
88.1374, 0.2775, 0.3023



88.1374, 0.3416, 0.3240

Complementary

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



88.1374, 0.3196, 0.3613



73.2964, 0.3050, 0.2971

Split Complementary

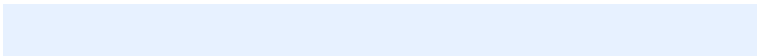
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.1374, 0.3247, 0.3090



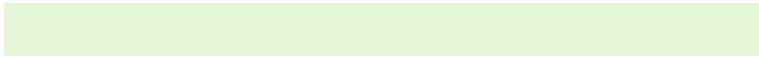
88.1374, 0.3196, 0.3613



88.1374, 0.2878, 0.2965

Square

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



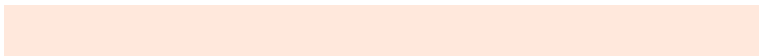
88.1374, 0.3196, 0.3613



88.1374, 0.2763, 0.3155



88.1374, 0.3049, 0.2991



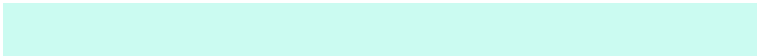
88.1374, 0.3506, 0.3406

Rectangle

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



88.1374, 0.3196, 0.3613



88.1374, 0.2890, 0.3393



88.1374, 0.3049, 0.2991



88.1374, 0.3366, 0.3186

Sweetspot

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



88.1412, 0.3196, 0.3613



98.2555, 0.3149, 0.3389



83.3248, 0.3333, 0.3469



20.9622, 0.3153, 0.3408



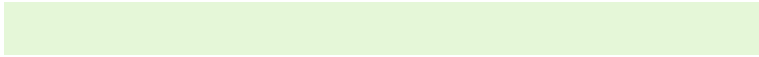
0.0000, 0.0000, 0.0000



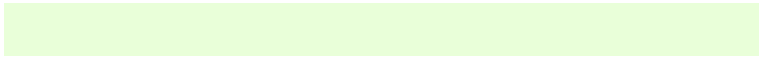
21.4041, 0.3127, 0.3290

Same Dimension

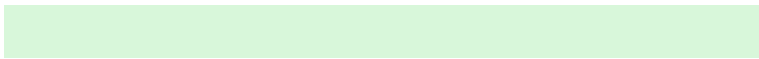
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1412, 0.3196, 0.3613



93.8093, 0.3209, 0.3681



86.1839, 0.3100, 0.3599



18.8120, 0.3179, 0.3530



36.8085, 0.3264, 0.5790



3.2941, 0.3361, 0.5713

Inverse Universe

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



73.2964, 0.3050, 0.2971



75.0564, 0.3033, 0.2905



75.4577, 0.3156, 0.3000



16.4014, 0.3071, 0.3052



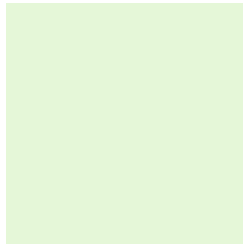
6.7377, 0.2188, 0.0979



0.6525, 0.2311, 0.1047

Previews

White Background



This preview shows how the Yxy color 88.1374, 0.3196, 0.3613 looks on a white background.

Color Contrast Check

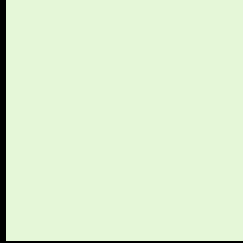
Large Text (above 18pt) WCAG AA × Fail

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 88.1374, 0.3196, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

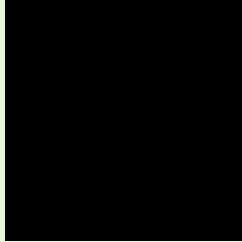
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

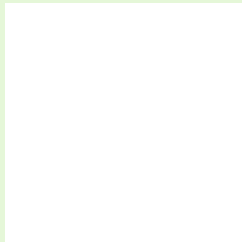
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.1374, 0.3196, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 88.1374, 0.3196, 0.3613.

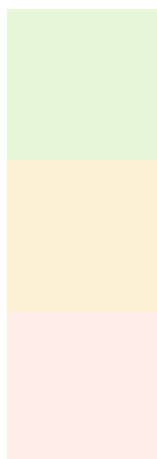


This preview shows how white text looks on a background with the Yxy color 88.1374, 0.3196, 0.3613.

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

88.1374, 0.3196, 0.3613

Protanopia

87.7691, 0.3384, 0.3571

Deuteranopia

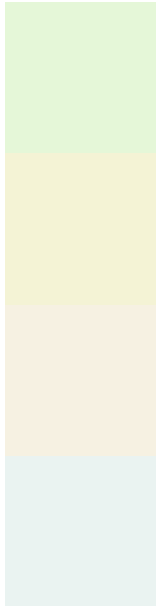
87.6546, 0.3280, 0.3340



Tritanopia

88.1351, 0.3018, 0.3151

Trichromacy



Original Color

88.1374, 0.3196, 0.3613

Protanomaly

88.1384, 0.3319, 0.3595

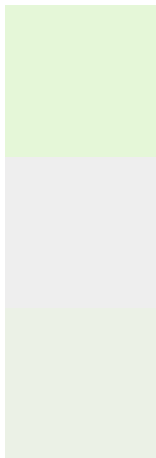
Deuteranomaly

87.9944, 0.3253, 0.3441

Tritanomaly

87.9445, 0.3081, 0.3310

Monochromacy



Original Color

88.1374, 0.3196, 0.3613

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.2859, 0.3155, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1374, 0.3196, 0.3613 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, 247, 216)` looks like.

```
.text, #text, p{  
    color:rgb(229, 247, 216)  
}
```

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, 247, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 247, 216) }
```

Border

The CSS property to change the border of an element to Yxy 88.1374, 0.3196, 0.3613 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, 247, 216) }
```

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

```
.border{ border-color:rgb(229, 247, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 247, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 247, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 247, 216);  
box-shadow:4px 4px 4px 4px rgb(229, 247,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1374, 0.3196, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 247, 216) }
```

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

```
.background{ background-color: rgb(229,  
247, 216) }
```

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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