

Converting Colors

$Yxy(77.5942, 0.3166, 0.3850)$

Have a look what the booklet for
Yxy(77.5942, 0.3166, 0.3850)
contains.

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Color

Yxy(77.7301, 0.3166, 0.3847)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C8EFBE |
| RGB | 200, 239, 190 |
| RGB Percent | 78%, 94%, 75% |
| CMY | 0.2159, 0.0627, 0.2548 |
| CMYK | 0.16, 0.00, 0.21, 0.06 |
| HSL | 108°, 61%, 84% |
| HSV | 108°, 21%, 94% |
| XYZ | 63.9702, 77.7301, 60.3535 |
| YIQ | 221.7530, -7.5150, -23.5070 |

Conversions

Conversions Part 2

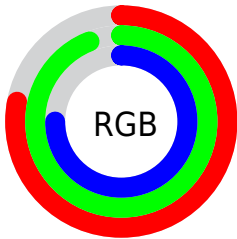
| Format | Color |
|-------------------------------------|--|
| RYB | 190, 239, 229 |
| Decimal | 13168574 |
| CIELab | 90.66, -21.55, 19.60 |
| CIElCh | 91, 29.130, 137.711 |
| Yxy | 77.7301, 0.3166, 0.3847 |
| Android (android.graphics.Color) | 4291358654 (0xFFC8EFBE) |
| YUV | 221.7530, -15.6542, -19.0774 |
| Hunter-Lab | 88.1647, -24.7727, 21.1281 |

Details

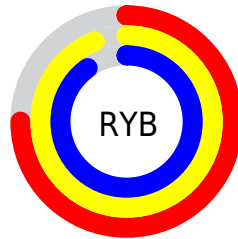
The Yxy color **77.7301, 0.3166, 0.3847** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.7377, 0.3074, 0.2768**, and the grayscale version is **72.9759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **41.7555, 0.3177, 0.3992** is the 20% darker color. If you saturate the color by 10%, you get **74.3108, 0.3180, 0.4161**, and if you desaturate by 10%, it is **81.6545, 0.3148, 0.3560**.

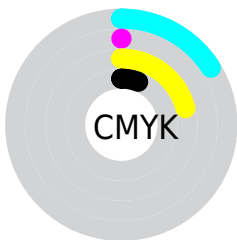
Distribution



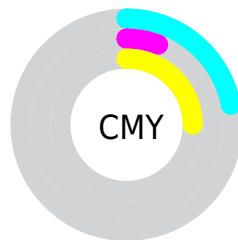
- Red (78%)
- Green (94%)
- Blue (75%)



- Red (75%)
- Yellow (94%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (21%)
- Black (6%)





- Cyan (22%)
- Magenta (6%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7301, 0.3166, 0.3847 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 77.7301, 0.3166, 0.3847 by changing the saturation by 10% instead.


 77.7301, 0.3166,
0.3847

 77.7301, 0.3166,
0.3847


487.2497, 0.3153,
0.3584

 57.8523, 0.3168,
0.3908


 130.1696, 0.3162,
0.3755

 41.6899, 0.3169,
0.3985


163.5000, 0.3161,
0.3719

 28.8586, 0.3170,
0.4083

202.0835, 0.3159,
0.3688

 18.9739, 0.3169,
0.4213

246.3044, 0.3158,
0.3662

 11.6514, 0.3165,
0.4393

296.5470, 0.3156,
0.3639

 6.5068, 0.3150,
0.4656

353.1959, 0.3155,

 3.1556, 0.3108,

0.3618

0.5077

416.6353, 0.3154,
0.3600

■ 1.2135, 0.3291,
0.6709

■ 0.0727, 0.0000,
1.0000

■ 77.7301, 0.3166,
0.3847

■ 77.7301, 0.3166,
0.3847

■ 74.3108, 0.3180,
0.4161

■ 81.6545, 0.3148,
0.3560

■ 71.3663, 0.3189,
0.4495

■ 86.0931, 0.3128,
0.3302

■ 68.8781, 0.3190,
0.4835

■ 90.2232, 0.3134,
0.3137

■ 66.8228, 0.3182,
0.5163

■ 65.1746, 0.3164,
0.5458

■ 63.9049, 0.3135,
0.5695

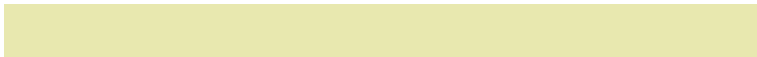
■ 62.9812, 0.3099,
0.5860

■ 62.3825, 0.3063,
0.5950

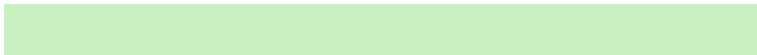
Harmonies

Analogous

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



77.7301, 0.3498, 0.3902



77.7301, 0.3166, 0.3847



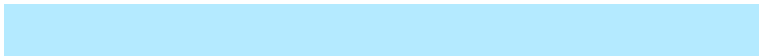
77.7301, 0.2836, 0.3614

Triad

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



77.7301, 0.3166, 0.3847



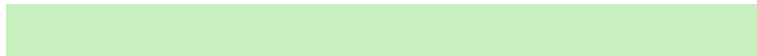
77.7301, 0.2542, 0.2786



77.7301, 0.3689, 0.3255

Complementary

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



77.7301, 0.3166, 0.3847



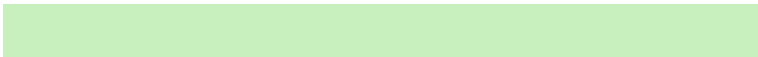
59.7377, 0.3074, 0.2768

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.



77.7301, 0.3407, 0.2993



77.7301, 0.3166, 0.3847



77.7301, 0.2745, 0.2727

Square

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



77.7301, 0.3166, 0.3847



77.7301, 0.2488, 0.2983



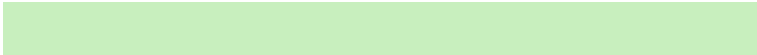
77.7301, 0.3058, 0.2804



77.7301, 0.3811, 0.3538

Rectangle

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



77.7301, 0.3166, 0.3847



77.7301, 0.2659, 0.3399



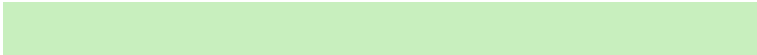
77.7301, 0.3058, 0.2804



77.7301, 0.3609, 0.3163

Sweetspot

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



77.7334, 0.3166, 0.3847



96.8128, 0.3139, 0.3441



77.7791, 0.3457, 0.3696



20.6505, 0.3141, 0.3458



0.0000, 0.0000, 0.0000



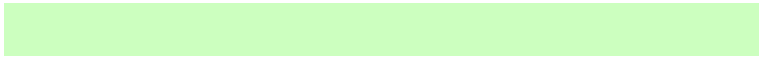
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7334, 0.3166, 0.3847



88.1542, 0.3173, 0.3988



77.0468, 0.3019, 0.3693



17.8106, 0.3146, 0.3532



34.5123, 0.3071, 0.5944



2.9118, 0.3153, 0.5878

Inverse Universe

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



59.7377, 0.3074, 0.2768



63.4819, 0.3059, 0.2647



60.6299, 0.3256, 0.2919



15.8602, 0.3105, 0.3055



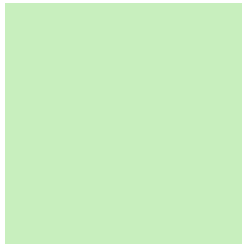
9.5904, 0.2701, 0.1262



0.8383, 0.2771, 0.1300

Previews

White Background



This preview shows how the Yxy color 77.7301, 0.3166, 0.3847 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 77.7301, 0.3166, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

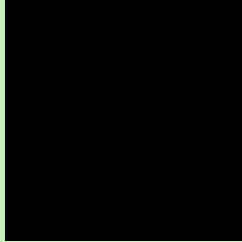
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

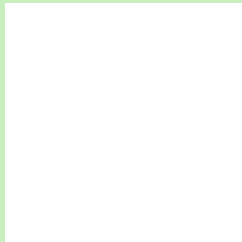
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7301, 0.3166, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 77.7301, 0.3166, 0.3847.

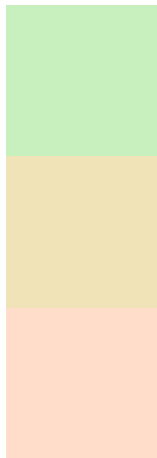


This preview shows how white text looks on a background with the Yxy color 77.7301, 0.3166, 0.3847.

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

77.7301, 0.3166, 0.3847

Protanopia

77.0996, 0.3516, 0.3744

Deuteranopia

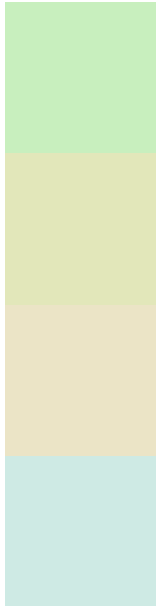
77.2372, 0.3508, 0.3484



Tritanopia

77.6930, 0.2881, 0.3098

Trichromacy



Original Color

77.7301, 0.3166, 0.3847

Protanomaly

76.8657, 0.3384, 0.3780

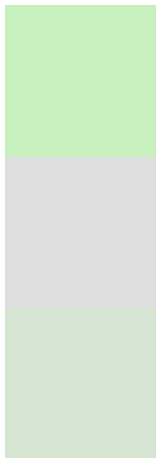
Deuteranomaly

77.2262, 0.3374, 0.3610

Tritanomaly

77.5689, 0.2979, 0.3355

Monochromacy



Original Color

77.7301, 0.3166, 0.3847

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.4361, 0.3145, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7301, 0.3166, 0.3847 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(200, 239, 190)` looks like.

```
.text, #text, p{  
    color:rgb(200, 239, 190)  
}
```

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(200, 239, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 239, 190) }
```

Border

The CSS property to change the border of an element to Yxy 77.7301, 0.3166, 0.3847 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(200, 239, 190) }
```

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

```
.border{ border-color:rgb(200, 239, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 239, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 239, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 239, 190);  
box-shadow:4px 4px 4px 4px rgb(200, 239,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7301, 0.3166, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 239, 190) }
```

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

```
.background{ background-color: rgb(200,  
239, 190) }
```

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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