

Converting Colors

$Yxy(77.7035, 0.3231, 0.3687)$

Have a look what the booklet for
Yxy(77.7035, 0.3231, 0.3687)
contains.

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Color

Yxy(77.5218, 0.3231, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	D8EAC6
RGB	216, 234, 198
RGB Percent	85%, 92%, 78%
CMY	0.1529, 0.0823, 0.2236
CMYK	0.08, 0.00, 0.15, 0.08
HSL	90°, 46%, 85%
HSV	90°, 15%, 92%
XYZ	67.9341, 77.5218, 64.8012
YIQ	224.5140, 0.8280, -15.0120

Conversions

Conversions Part 2

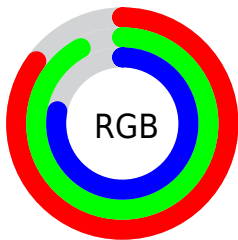
Format	Color
RYB	198, 234, 216
Decimal	14215878
CIELab	90.56, -12.27, 15.50
CIELCh	91, 19.765, 128.370
Yxy	77.5218, 0.3231, 0.3687
Android (android.graphics.Color)	4292405958 (0xFFD8EAC6)
YUV	224.5140, -13.0714, -7.4668
Hunter-Lab	88.0465, -16.3559, 17.9957

Details

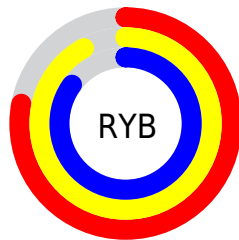
The Yxy color **77.5218, 0.3231, 0.3687** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.9219, 0.3009, 0.2893**, and the grayscale version is **75.0248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4315, 0.3253, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **74.8087, 0.3296, 0.3970**, and if you desaturate by 10%, it is **80.5352, 0.3164, 0.3423**.

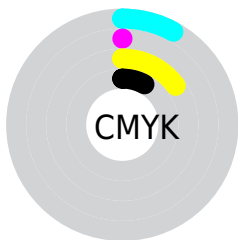
Distribution



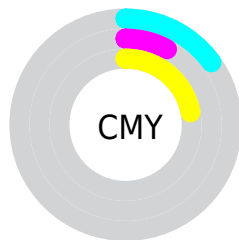
- Red (85%)
- Green (92%)
- Blue (78%)



- Red (78%)
- Yellow (92%)
- Blue (85%)



- Cyan (8%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)





- Cyan (15%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5218, 0.3231, 0.3687 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 77.5218, 0.3231, 0.3687 by changing the saturation by 10% instead.


 77.5218, 0.3231,
0.3687

 77.5218, 0.3231,
0.3687


486.5413, 0.3186,
0.3501

 57.6812, 0.3241,
0.3730

129.8758, 0.3216,
0.3622

 41.5524, 0.3252,
0.3783


163.1580, 0.3210,
0.3597

 28.7510, 0.3267,
0.3851


201.6896, 0.3204,
0.3576

 18.8925, 0.3284,
0.3940

245.8549, 0.3200,
0.3557

 11.5927, 0.3307,
0.4062

296.0383, 0.3196,
0.3540

 6.4670, 0.3335,
0.4239


352.6242, 0.3192,


 3.1310, 0.3369,


0.3526


0.4520

415.9971, 0.3189,
0.3513


 1.2005, 0.3687,
0.5452


 0.0621, 0.0000,
1.0000

 77.5218, 0.3231,
0.3687


 77.5218, 0.3231,
0.3687

 74.8087, 0.3296,
0.3970


 80.5352, 0.3164,
0.3423


 72.3757, 0.3356,
0.4267

 83.8487, 0.3096,
0.3181

 70.2152, 0.3405,
0.4568

 86.5956, 0.3111,
0.3086

 68.3153, 0.3441,
0.4862

 87.3290, 0.3137,
0.3088

■ 66.6633, 0.3459,
0.5133

■ 65.2450, 0.3455,
0.5367

■ 64.0443, 0.3428,
0.5549

■ 63.0416, 0.3381,
0.5674

■ 62.6336, 0.3356,
0.5717

Harmonies

Analogous

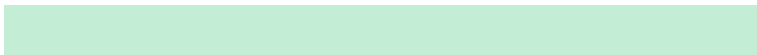
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5218, 0.3442, 0.3691



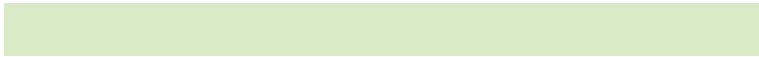
77.5218, 0.3231, 0.3687



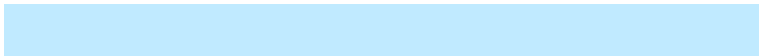
77.5218, 0.2998, 0.3565

Triad

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



77.5218, 0.3231, 0.3687



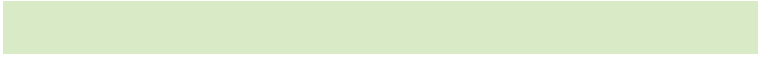
77.5218, 0.2700, 0.2980



77.5218, 0.3457, 0.3210

Complementary

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



77.5218, 0.3231, 0.3687



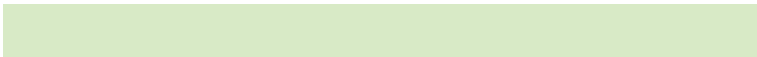
60.9219, 0.3009, 0.2893

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.



77.5218, 0.3247, 0.3037



77.5218, 0.3231, 0.3687



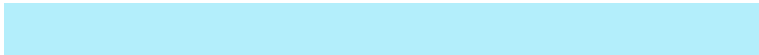
77.5218, 0.2813, 0.2904

Square

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



77.5218, 0.3231, 0.3687



77.5218, 0.2697, 0.3145



77.5218, 0.3011, 0.2927



77.5218, 0.3577, 0.3407

Rectangle

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



77.5218, 0.3231, 0.3687



77.5218, 0.2861, 0.3434



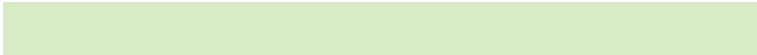
77.5218, 0.3011, 0.2927



77.5218, 0.3394, 0.3147

Sweetspot

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



77.5252, 0.3231, 0.3687



98.0171, 0.3161, 0.3414



70.3737, 0.3388, 0.3479



20.9216, 0.3166, 0.3432



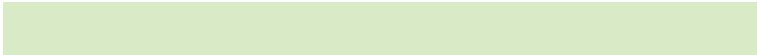
0.0000, 0.0000, 0.0000



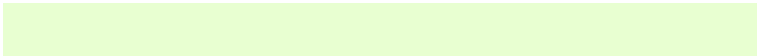
21.4041, 0.3127, 0.3290

Same Dimension

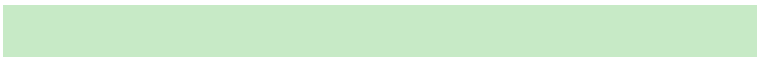
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5252, 0.3231, 0.3687



93.2937, 0.3249, 0.3762



75.0118, 0.3112, 0.3702



17.2322, 0.3191, 0.3528



35.2695, 0.3367, 0.5708



2.8267, 0.3472, 0.5625

Inverse Universe

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



60.9219, 0.3009, 0.2893



70.0330, 0.2986, 0.2819



63.7162, 0.3140, 0.2909



14.9188, 0.3058, 0.3052



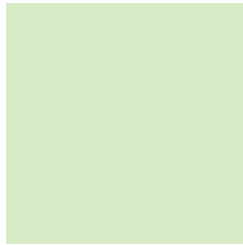
5.5370, 0.2024, 0.0889



0.4920, 0.2174, 0.0971

Previews

White Background



This preview shows how the Yxy color 77.5218, 0.3231, 0.3687 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 77.5218, 0.3231, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

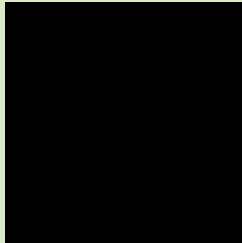
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

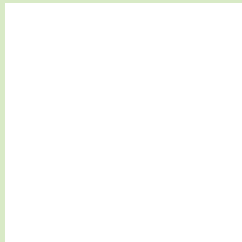
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5218, 0.3231, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 77.5218, 0.3231, 0.3687.

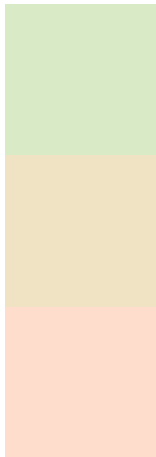


This preview shows how white text looks on a background with the Yxy color 77.5218, 0.3231, 0.3687.

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

77.5218, 0.3231, 0.3687

Protanopia

77.2290, 0.3426, 0.3629

Deuteranopia

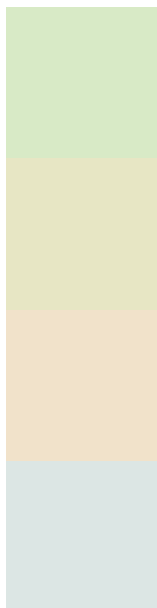
77.3807, 0.3486, 0.3453



Tritanopia

77.2187, 0.2988, 0.3102

Trichromacy



Original Color

77.5218, 0.3231, 0.3687

Protanomaly

77.5681, 0.3356, 0.3655

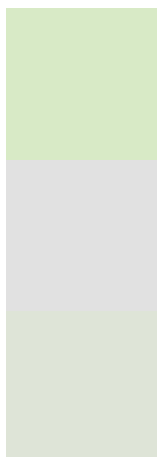
Deuteranomaly

77.3578, 0.3394, 0.3542

Tritanomaly

77.4107, 0.3072, 0.3311

Monochromacy



Original Color

77.5218, 0.3231, 0.3687

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.9227, 0.3169, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5218, 0.3231, 0.3687 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(216, 234, 198)` looks like.

```
.text, #text, p{  
    color:rgb(216, 234, 198)  
}
```

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(216, 234, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 234, 198) }
```

Border

The CSS property to change the border of an element to Yxy 77.5218, 0.3231, 0.3687 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(216, 234, 198) }
```

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

```
.border{ border-color:rgb(216, 234, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 234, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 234, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 234, 198);  
box-shadow:4px 4px 4px 4px rgb(216, 234,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5218, 0.3231, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 234, 198) }
```

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

```
.background{ background-color: rgb(216,  
234, 198) }
```

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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