

Converting Colors

$Yxy(75.9618, 0.3230, 0.4296)$

Have a look what the booklet for
Yxy(75.9618, 0.3230, 0.4296)
contains.

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Color

Yxy(75.8837, 0.3236, 0.4298)

Conversions

Conversions Part 1

Format	Color
Hex	B6F29D
RGB	182, 242, 157
RGB Percent	71%, 95%, 62%
CMY	0.2862, 0.0510, 0.3843
CMYK	0.25, 0.00, 0.35, 0.05
HSL	102°, 77%, 78%
HSV	102°, 35%, 95%
XYZ	57.1335, 75.8837, 43.5387
YIQ	214.3700, -8.4750, -39.1550

Conversions

Conversions Part 2

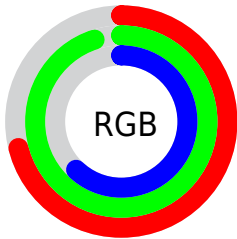
Format	Color
RYB	157, 242, 217
Decimal	11989661
CIELab	89.81, -34.08, 35.08
CIElCh	90, 48.908, 134.175
Yxy	75.8837, 0.3236, 0.4298
Android (android.graphics.Color)	4290179741 (0xFFB6F29D)
YUV	214.3700, -28.2834, -28.3885
Hunter-Lab	87.1113, -35.3723, 31.3444

Details

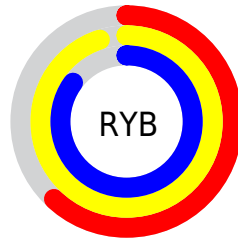
The Yxy color **75.8837, 0.3236, 0.4298** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.2798, 0.2957, 0.2362**, and the grayscale version is **67.7109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6242, 0.3277, 0.3725**, and **40.6498, 0.3236, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **73.1859, 0.3254, 0.4626**, and if you desaturate by 10%, it is **79.0053, 0.3210, 0.3982**.

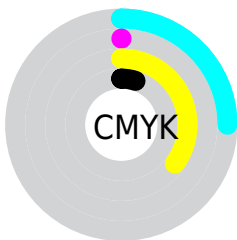
Distribution



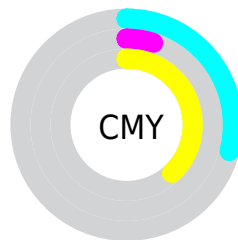
- Red (71%)
- Green (95%)
- Blue (62%)



- Red (62%)
- Yellow (95%)
- Blue (85%)



- Cyan (25%)
- Magenta (0%)
- Yellow (35%)
- Black (5%)





- Cyan (29%)
- Magenta (5%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8837, 0.3236, 0.4298 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 75.8837, 0.3236, 0.4298 by changing the saturation by 10% instead.


 75.8837, 0.3236,
0.4298


 75.8837, 0.3236,
0.4298

480.9495, 0.3202,
0.3812

 56.3371, 0.3239,
0.4413


 127.5625, 0.3228,
0.4126

 40.4733, 0.3241,
0.4557


 160.4635, 0.3223,
0.4060

 27.9078, 0.3238,
0.4741


198.5848, 0.3219,
0.4004

 18.2561, 0.3227,
0.4984

242.3108, 0.3215,
0.3955

 11.1340, 0.3196,
0.5318

292.0259, 0.3211,
0.3912

 6.1571, 0.3120,
0.5796


348.1144, 0.3208,

 2.9408, 0.3102,

0.3875

0.6898


410.9608, 0.3205,
0.3842


 1.1009, 0.1536,
0.8464


 0.0000, 0.0000,
0.0000


 75.8837, 0.3236,
0.4298


 75.8837, 0.3236,
0.4298


 73.1859, 0.3254,
0.4626

 79.0053, 0.3210,
0.3982


 70.8835, 0.3261,
0.4952

 82.5586, 0.3179,
0.3686

 68.9592, 0.3255,
0.5257

 86.5632, 0.3145,
0.3417

 67.3907, 0.3233,
0.5519

 91.0348, 0.3110,
0.3176

■ 66.1529, 0.3197,
0.5722

■ 91.9847, 0.3133,
0.3165

■ 65.2165, 0.3150,
0.5855

■ 64.8521, 0.3126,
0.5900

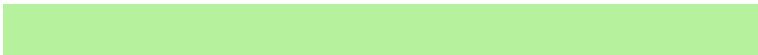
Harmonies

Analogous

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



75.8837, 0.3784, 0.4312



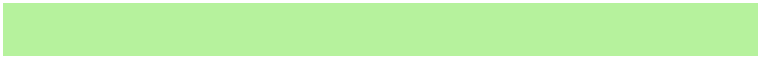
75.8837, 0.3236, 0.4298



75.8837, 0.2686, 0.3918

Triad

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



75.8837, 0.3236, 0.4298



75.8837, 0.2154, 0.2477



75.8837, 0.4038, 0.3158

Complementary

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



75.8837, 0.3236, 0.4298



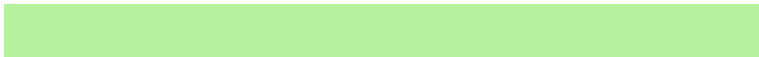
45.2798, 0.2957, 0.2362

Split Complementary

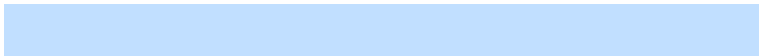
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8837, 0.3523, 0.2761



75.8837, 0.3236, 0.4298



75.8837, 0.2443, 0.2378

Square

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



75.8837, 0.3236, 0.4298



75.8837, 0.2095, 0.2803



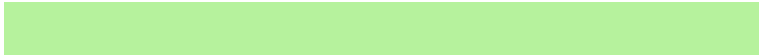
75.8837, 0.2931, 0.2484



75.8837, 0.4282, 0.3607

Rectangle

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



75.8837, 0.3236, 0.4298



75.8837, 0.2391, 0.3533



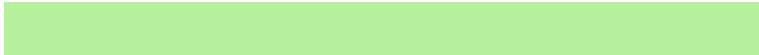
75.8837, 0.2931, 0.2484



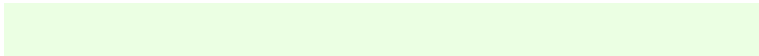
75.8837, 0.3888, 0.3016

Sweetspot

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



75.8870, 0.3236, 0.4298



94.7601, 0.3165, 0.3573



70.6827, 0.3742, 0.3925



20.1537, 0.3170, 0.3610



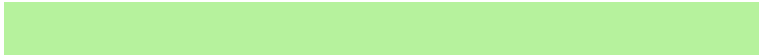
0.0000, 0.0000, 0.0000



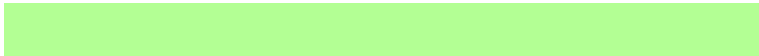
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8870, 0.3236, 0.4298



83.2880, 0.3250, 0.4527



73.7305, 0.2986, 0.4130



17.8817, 0.3160, 0.3531



34.8999, 0.3137, 0.5892



2.9527, 0.3233, 0.5815

Inverse Universe

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



45.2798, 0.2957, 0.2362



44.1338, 0.2912, 0.2170



48.4321, 0.3312, 0.2576



15.7843, 0.3091, 0.3054



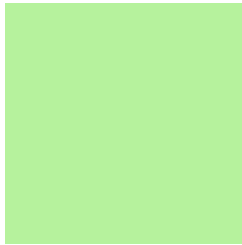
8.1563, 0.2477, 0.1138



0.7295, 0.2576, 0.1193

Previews

White Background



This preview shows how the Yxy color 75.8837, 0.3236, 0.4298 looks on a white background.

Color Contrast Check

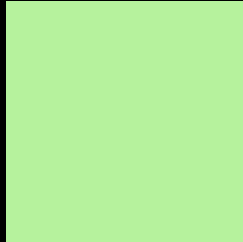
Large Text (above 18pt) WCAG AA × Fail

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 75.8837, 0.3236, 0.4298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

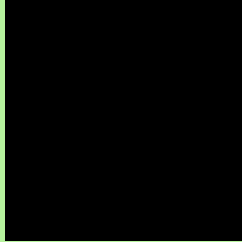
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8837, 0.3236, 0.4298

Background



This preview shows how black text looks on a background with the Yxy color 75.8837, 0.3236, 0.4298.

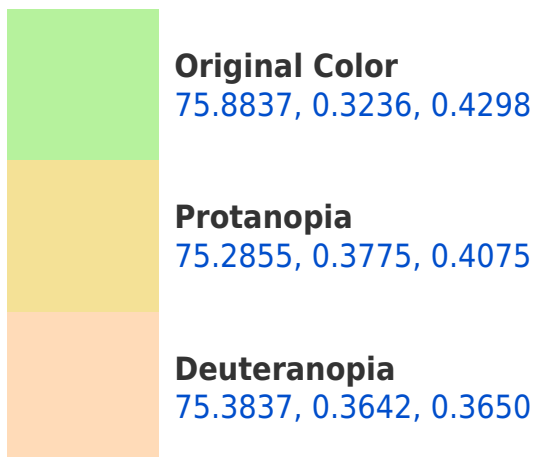


This preview shows how white text looks on a background with the Yxy color 75.8837, 0.3236, 0.4298.

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





Tritanopia

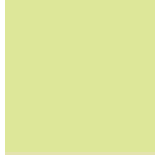
75.8617, 0.2802, 0.3094

Trichromacy



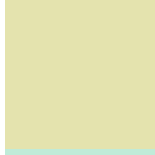
Original Color

75.8837, 0.3236, 0.4298



Protanomaly

74.8239, 0.3560, 0.4153



Deuteranomaly

74.4881, 0.3486, 0.3870



Tritanomaly

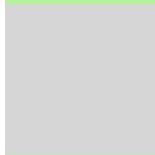
75.5810, 0.2961, 0.3505

Monochromacy



Original Color

75.8837, 0.3236, 0.4298



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.7181, 0.3174, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8837, 0.3236, 0.4298 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(182, 242, 157)` looks like.

```
.text, #text, p{  
    color:rgb(182, 242, 157)  
}
```

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(182, 242, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 242, 157) }
```

Border

The CSS property to change the border of an element to Yxy 75.8837, 0.3236, 0.4298 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(182, 242, 157) }
```

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

```
.border{ border-color:rgb(182, 242, 157) }
```

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

Here you see how a box with a 4 pixel rgb(182, 242, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 242, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 242, 157);  
box-shadow:4px 4px 4px 4px rgb(182, 242,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8837, 0.3236, 0.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 242, 157) }
```

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

```
.background{ background-color: rgb(182,  
242, 157) }
```

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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