

Converting Colors

$Y_{xy}(75.1251, 0.3235, 0.4376)$

Have a look what the booklet for
Yxy(75.1251, 0.3235, 0.4376)
contains.

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Color

Yxy(75.0857, 0.3236, 0.4381)

Conversions

Conversions Part 1

Format	Color
Hex	B1F297
RGB	177, 242, 151
RGB Percent	69%, 95%, 59%
CMY	0.3060, 0.0509, 0.4079
CMYK	0.27, 0.00, 0.38, 0.05
HSL	103°, 78%, 77%
HSV	103°, 38%, 95%
XYZ	55.4616, 75.0857, 40.8421
YIQ	212.1910, -9.5290, -42.0810

Conversions

Conversions Part 2

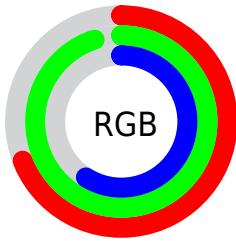
Format	Color
RYB	151, 242, 216
Decimal	11661975
CIELab	89.43, -36.63, 37.54
CIElCh	89, 52.455, 134.298
Yxy	75.0857, 0.3236, 0.4381
Android (android.graphics.Color)	4289852055 (0xFFB1F297)
YUV	212.1910, -30.1672, -30.8625
Hunter-Lab	86.6520, -37.3921, 32.7110

Details

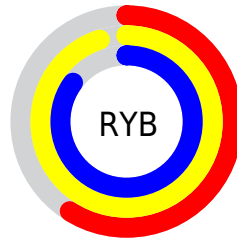
The Yxy color **75.0857, 0.3236, 0.4381** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.1468, 0.2948, 0.2295**, and the grayscale version is **66.1769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4687, 0.3280, 0.3792**, and **40.1562, 0.3234, 0.4665** is the 20% darker color. If you saturate the color by 10%, you get **72.4782, 0.3250, 0.4711**, and if you desaturate by 10%, it is **78.1184, 0.3213, 0.4060**.

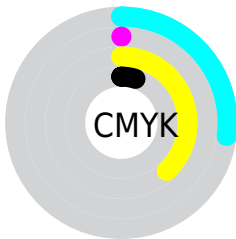
Distribution



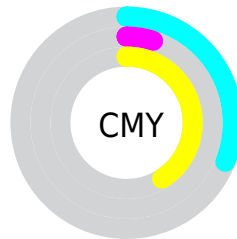
- Red (69%)
- Green (95%)
- Blue (59%)



- Red (59%)
- Yellow (95%)
- Blue (85%)



- Cyan (27%)
- Magenta (0%)
- Yellow (38%)
- Black (5%)




- Cyan (31%)
- Magenta (5%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0857, 0.3236, 0.4381 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 75.0857, 0.3236, 0.4381 by changing the saturation by 10% instead.


 75.0857, 0.3236,
0.4381


 75.0857, 0.3236,
0.4381

478.2121, 0.3204,
0.3853

 55.6831, 0.3238,
0.4506


 126.4337, 0.3229,
0.4194

 39.9489, 0.3237,
0.4663


 159.1478, 0.3225,
0.4122

 27.4987, 0.3230,
0.4864


197.0680, 0.3222,
0.4061

 17.9481, 0.3212,
0.5129

240.5785, 0.3218,
0.4008

 10.9127, 0.3169,
0.5493

290.0637, 0.3214,
0.3961

 6.0082, 0.3068,
0.6009


345.9082, 0.3211,

 2.8501, 0.2945,

0.3921

0.7055


408.4961, 0.3207,
0.3885


 1.0540, 0.0853,
0.9147


 0.0000, 0.0000,
0.0000


 75.0857, 0.3236,
0.4381

 75.0857, 0.3236,
0.4381


 72.4782, 0.3250,
0.4711

 78.1184, 0.3213,
0.4060


 70.2668, 0.3253,
0.5035

 81.5849, 0.3184,
0.3758

 68.4334, 0.3242,
0.5332

 85.5055, 0.3153,
0.3482

 66.9546, 0.3217,
0.5582

 89.8962, 0.3119,
0.3233

■ 65.8039, 0.3178,
0.5768

■ 91.9926, 0.3133,
0.3166

■ 64.9488, 0.3130,
0.5884

■ 64.7796, 0.3119,
0.5905

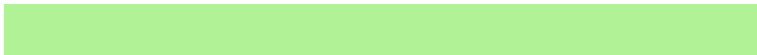
Harmonies

Analogous

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



75.0857, 0.3825, 0.4389



75.0857, 0.3236, 0.4381



75.0857, 0.2648, 0.3967

Triad

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



75.0857, 0.3236, 0.4381



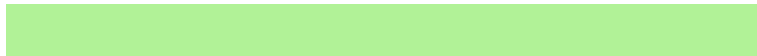
75.0857, 0.2089, 0.2418



75.0857, 0.4110, 0.3146

Complementary

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



75.0857, 0.3236, 0.4381



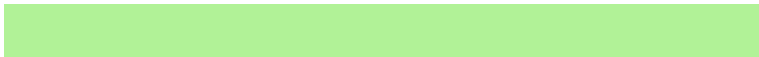
43.1468, 0.2948, 0.2295

Split Complementary

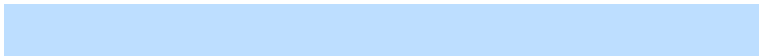
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.0857, 0.3554, 0.2726



75.0857, 0.3236, 0.4381



75.0857, 0.2396, 0.2317

Square

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



75.0857, 0.3236, 0.4381



75.0857, 0.2026, 0.2760



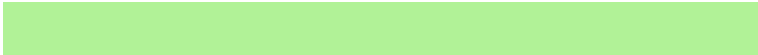
75.0857, 0.2917, 0.2432



75.0857, 0.4369, 0.3623

Rectangle

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



75.0857, 0.3236, 0.4381



75.0857, 0.2336, 0.3547



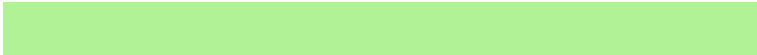
75.0857, 0.2917, 0.2432



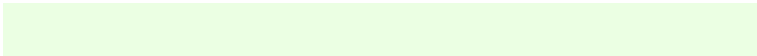
75.0857, 0.3949, 0.2996

Sweetspot

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



75.0889, 0.3236, 0.4381



94.7175, 0.3164, 0.3573



69.5652, 0.3792, 0.3971



20.1436, 0.3168, 0.3610



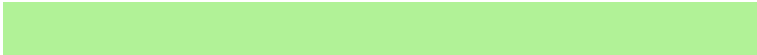
0.0000, 0.0000, 0.0000



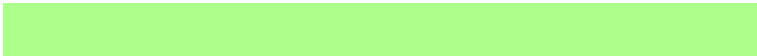
21.4041, 0.3127, 0.3290

Same Dimension

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



75.0889, 0.3236, 0.4381



82.3039, 0.3248, 0.4629



72.9627, 0.2977, 0.4202



17.8747, 0.3159, 0.3531



34.8553, 0.3129, 0.5897



2.9483, 0.3224, 0.5822

Inverse Universe

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



43.1468, 0.2948, 0.2295



41.6201, 0.2900, 0.2093



46.3808, 0.3329, 0.2526



15.7917, 0.3092, 0.3054



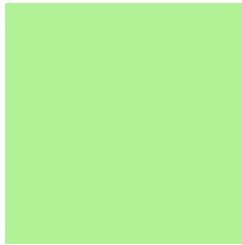
8.2865, 0.2498, 0.1150



0.7395, 0.2595, 0.1203

Previews

White Background



This preview shows how the Yxy color 75.0857, 0.3236, 0.4381 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 75.0857, 0.3236, 0.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

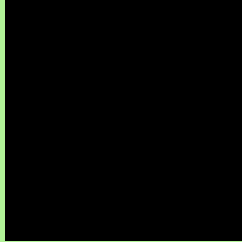
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0857, 0.3236, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 75.0857, 0.3236, 0.4381.



This preview shows how white text looks on a background with the Yxy color 75.0857, 0.3236, 0.4381.

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

75.0857, 0.3236, 0.4381

Protanopia

74.5580, 0.3818, 0.4126

Deuteranopia

74.1810, 0.3677, 0.3671



Tritanopia

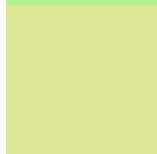
74.7706, 0.2777, 0.3081

Trichromacy



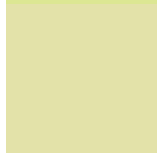
Original Color

75.0857, 0.3236, 0.4381



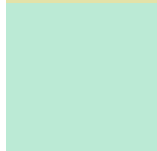
Protanomaly

74.4741, 0.3590, 0.4220



Deuteranomaly

73.5882, 0.3515, 0.3917



Tritanomaly

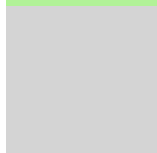
74.2145, 0.2947, 0.3531

Monochromacy



Original Color

75.0857, 0.3236, 0.4381



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.6352, 0.3173, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0857, 0.3236, 0.4381 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(177, 242, 151)` looks like.

```
.text, #text, p{  
    color:rgb(177, 242, 151)  
}
```

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(177, 242, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 242, 151) }
```

Border

The CSS property to change the border of an element to Yxy 75.0857, 0.3236, 0.4381 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(177, 242, 151) }
```

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

```
.border{ border-color:rgb(177, 242, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 242, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 242, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 242, 151);  
box-shadow:4px 4px 4px 4px rgb(177, 242,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0857, 0.3236, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 242, 151) }
```

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

```
.background{ background-color: rgb(177,  
242, 151) }
```

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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