

Converting Colors

$Yxy(76.1374, 0.2939, 0.3840)$

Have a look what the booklet for
Yxy(76.1374, 0.2939, 0.3840)
contains.

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Color

Yxy(76.0358, 0.2942, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	AAF2C4
RGB	170, 242, 196
RGB Percent	67%, 95%, 77%
CMY	0.3332, 0.0510, 0.2314
CMYK	0.30, 0.00, 0.19, 0.05
HSL	142°, 73%, 81%
HSV	142°, 30%, 95%
XYZ	58.3001, 76.0358, 63.8289
YIQ	215.2280, -28.1460, -29.5700

Conversions

Conversions Part 2

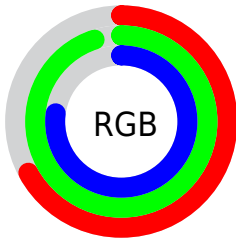
Format	Color
RYB	170, 223, 242
Decimal	11203268
CIELab	89.88, -31.53, 15.16
CIElCh	90, 34.988, 154.324
Yxy	76.0358, 0.2942, 0.3837
Android (android.graphics.Color)	4289393348 (0xFFAAF2C4)
YUV	215.2280, -9.4794, -39.6650
Hunter-Lab	87.1985, -33.2541, 17.6390

Details

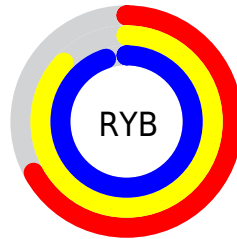
The Yxy color **76.0358, 0.2942, 0.3837** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.6017, 0.3376, 0.2801**, and the grayscale version is **68.2047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9427, 0.2969, 0.3310**, and **40.7838, 0.2897, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **72.9162, 0.2888, 0.4060**, and if you desaturate by 10%, it is **79.7308, 0.3002, 0.3633**.

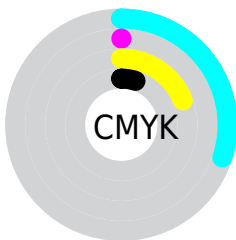
Distribution



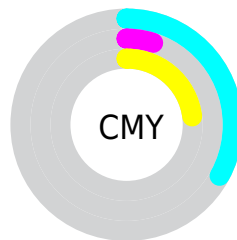
- Red (67%)
- Green (95%)
- Blue (77%)



- Red (67%)
- Yellow (87%)
- Blue (95%)



- Cyan (30%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)





- Cyan (33%)
- Magenta (5%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.0358, 0.2942, 0.3837 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 76.0358, 0.2942, 0.3837 by changing the saturation by 10% instead.


 76.0358, 0.2942,
0.3837

 76.0358, 0.2942,
0.3837


481.4702, 0.3032,
0.3576

 56.4619, 0.2920,
0.3899


 127.7775, 0.2974,
0.3745

 40.5733, 0.2893,
0.3976


160.7141, 0.2986,
0.3709

 27.9859, 0.2858,
0.4076


198.8736, 0.2997,
0.3679

 18.3150, 0.2810,
0.4209

242.6406, 0.3006,
0.3653

 11.1764, 0.2742,
0.4395

292.3993, 0.3013,
0.3630

 6.1856, 0.2638,
0.4674


348.5343, 0.3020,

 2.9583, 0.2462,


0.3610


0.5134


411.4298, 0.3026,
0.3592


 1.1100, 0.1784,
0.7351


 0.0000, 0.0000,
0.0000


 76.0358, 0.2942,
0.3837


 76.0358, 0.2942,
0.3837


 72.9162, 0.2888,
0.4060


 79.7308, 0.3002,
0.3633


 70.3331, 0.2844,
0.4299

 84.0189, 0.3065,
0.3449

 68.2574, 0.2812,
0.4548

 88.9289, 0.3129,
0.3286

 66.6534, 0.2795,
0.4799

 91.9826, 0.3133,
0.3165

■ 65.4804, 0.2797,
0.5042

■ 64.6904, 0.2817,
0.5266

■ 64.2067, 0.2851,
0.5464

■ 64.1958, 0.2852,
0.5469

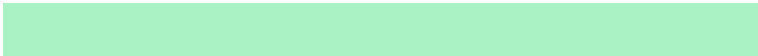
Harmonies

Analogous

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



76.0358, 0.3354, 0.4029



76.0358, 0.2942, 0.3837



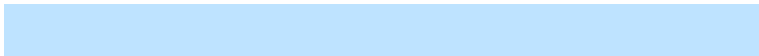
76.0358, 0.2595, 0.3466

Triad

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



76.0358, 0.2942, 0.3837



76.0358, 0.2540, 0.2627



76.0358, 0.3920, 0.3430

Complementary

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



76.0358, 0.2942, 0.3837



52.6017, 0.3376, 0.2801

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.



76.0358, 0.3673, 0.3098



76.0358, 0.2942, 0.3837



76.0358, 0.2862, 0.2652

Square

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



76.0358, 0.2942, 0.3837



76.0358, 0.2376, 0.2766



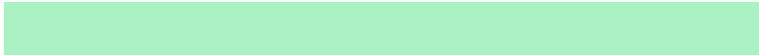
76.0358, 0.3277, 0.2821



76.0358, 0.3934, 0.3753

Rectangle

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



76.0358, 0.2942, 0.3837



76.0358, 0.2442, 0.3192



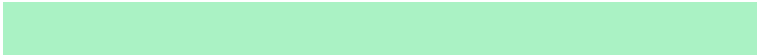
76.0358, 0.3277, 0.2821



76.0358, 0.3861, 0.3317

Sweetspot

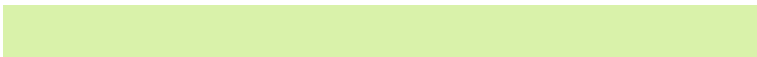
The Sweet Spot groups the original color and five complimentary colors.



76.0390, 0.2942, 0.3837



94.9951, 0.3069, 0.3437



81.1295, 0.3398, 0.4080



20.1713, 0.3060, 0.3462



0.0000, 0.0000, 0.0000



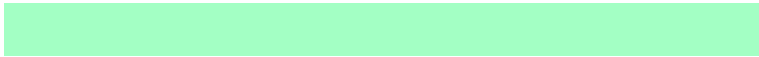
21.4041, 0.3127, 0.3290

Same Dimension

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



76.0390, 0.2942, 0.3837



83.3278, 0.2907, 0.3977



77.8343, 0.2753, 0.3412



17.7506, 0.3066, 0.3445



34.5112, 0.2844, 0.5438



2.8894, 0.2770, 0.5172

Inverse Universe

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



52.6017, 0.3376, 0.2801



52.7929, 0.3446, 0.2694



50.9714, 0.3693, 0.3173



15.9290, 0.3193, 0.3140



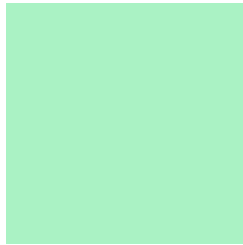
11.4338, 0.4381, 0.2187



0.9702, 0.4186, 0.2080

Previews

White Background



This preview shows how the Yxy color 76.0358, 0.2942, 0.3837 looks on a white background.

Color Contrast Check

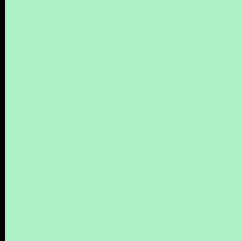
Large Text (above 18pt) WCAG AA × Fail

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 76.0358, 0.2942, 0.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

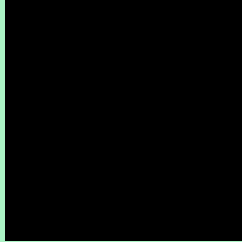
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.0358, 0.2942, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 76.0358, 0.2942, 0.3837.

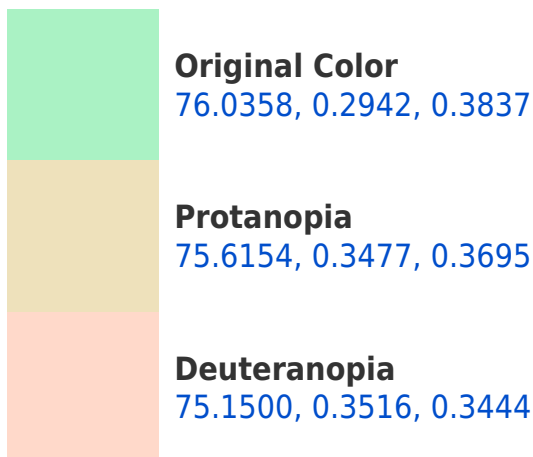


This preview shows how white text looks on a background with the Yxy color 76.0358, 0.2942, 0.3837.

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

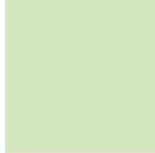
75.7612, 0.2691, 0.3079

Trichromacy



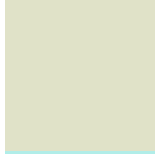
Original Color

76.0358, 0.2942, 0.3837



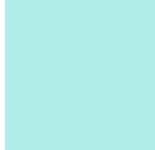
Protanomaly

75.0157, 0.3264, 0.3749



Deuteranomaly

74.4101, 0.3284, 0.3574



Tritanomaly

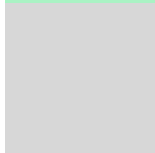
75.7417, 0.2782, 0.3346

Monochromacy



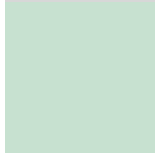
Original Color

76.0358, 0.2942, 0.3837



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.5466, 0.3056, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0358, 0.2942, 0.3837 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(170, 242, 196)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 196)  
}
```

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(170, 242, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 196) }
```

Border

The CSS property to change the border of an element to Yxy 76.0358, 0.2942, 0.3837 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(170, 242, 196) }
```

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

```
.border{ border-color:rgb(170, 242, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 242, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 242, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 242, 196);  
box-shadow:4px 4px 4px 4px rgb(170, 242,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0358, 0.2942, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 196) }
```

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

```
.background{ background-color: rgb(170,  
242, 196) }
```

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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