

Converting Colors

$Y_{xy}(72.7469, 0.2861, 0.4186)$

Have a look what the booklet for
Yxy(72.7469, 0.2861, 0.4186)
contains.

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Color

Yxy(72.8257, 0.2861, 0.4182)

Conversions

Conversions Part 1

Format	Color
Hex	86F4AE
RGB	134, 244, 174
RGB Percent	53%, 96%, 68%
CMY	0.4746, 0.0431, 0.3175
CMYK	0.45, 0.00, 0.29, 0.04
HSL	142°, 83%, 74%
HSV	142°, 45%, 96%
XYZ	49.8217, 72.8257, 51.4934
YIQ	203.1300, -43.0900, -45.0900

Conversions

Conversions Part 2

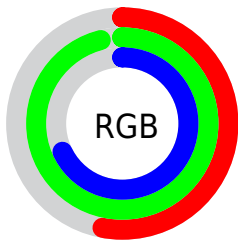
Format	Color
RYB	134, 215, 244
Decimal	8844462
CIELab	88.36, -46.70, 24.12
CIELCh	88, 52.560, 152.687
Yxy	72.8257, 0.2861, 0.4182
Android (android.graphics.Color)	4287034542 (0xFF86F4AE)
YUV	203.1300, -14.3611, -60.6270
Hunter-Lab	85.3380, -45.1303, 23.9606

Details

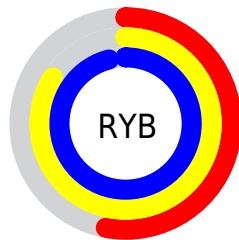
The Yxy color **72.8257, 0.2861, 0.4182** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.6342, 0.3561, 0.2551**, and the grayscale version is **59.9185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4396, 0.2890, 0.3561**, and **38.4576, 0.2785, 0.4426** is the 20% darker color. If you saturate the color by 10%, you get **70.4793, 0.2822, 0.4426**, and if you desaturate by 10%, it is **75.7104, 0.2911, 0.3951**.

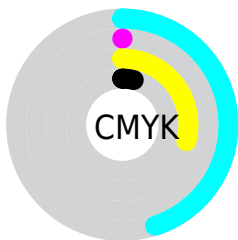
Distribution



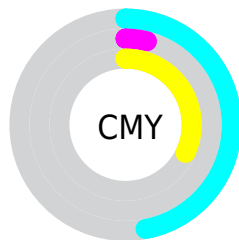
- Red (53%)
- Green (96%)
- Blue (68%)



- Red (53%)
- Yellow (84%)
- Blue (96%)



- Cyan (45%)
- Magenta (0%)
- Yellow (29%)
- Black (4%)




- Cyan (47%)
- Magenta (4%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8257, 0.2861, 0.4182 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 72.8257, 0.2861, 0.4182 by changing the saturation by 10% instead.


 72.8257, 0.2861,
0.4182


 72.8257, 0.2861,
0.4182

470.4105, 0.2997,
0.3745


 53.8335, 0.2827,
0.4288


 123.2297, 0.2911,
0.4025

 38.4685, 0.2783,
0.4422

 155.4103, 0.2929,
0.3966

 26.3465, 0.2724,
0.4597


 192.7558, 0.2945,
0.3915

 17.0831, 0.2643,
0.4834

235.6506, 0.2958,
0.3872

 10.2937, 0.2523,
0.5171

284.4790, 0.2970,
0.3834

 5.5941, 0.2332,
0.5682

339.6256, 0.2980,

 2.5999, 0.2021,

0.3800

0.6633

401.4746, 0.2989,
0.3771

■ 0.9266, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.8257, 0.2861,
0.4182

■ 72.8257, 0.2861,
0.4182

■ 70.4793, 0.2822,
0.4426

■ 75.7104, 0.2911,
0.3951

■ 68.6277, 0.2798,
0.4676


■ 79.1559, 0.2968,
0.3738


■ 67.2350, 0.2792,
0.4923

■ 83.1942, 0.3030,
0.3544


■ 66.2560, 0.2803,
0.5157

■ 87.8522, 0.3094,
0.3371

 65.6359, 0.2832,
0.5367

 92.9691, 0.3152,
0.3217

 65.4237, 0.2850,
0.5460

 93.1850, 0.3132,
0.3185

Harmonies

Analogous

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



72.8257, 0.3476, 0.4447



72.8257, 0.2861, 0.4182



72.8257, 0.2348, 0.3585

Triad

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



72.8257, 0.2861, 0.4182



72.8257, 0.2240, 0.2318



72.8257, 0.4328, 0.3437

Complementary

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



72.8257, 0.2861, 0.4182



40.6342, 0.3561, 0.2551

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.



72.8257, 0.3930, 0.2969



72.8257, 0.2861, 0.4182



72.8257, 0.2689, 0.2354

Square

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



72.8257, 0.2861, 0.4182



72.8257, 0.2024, 0.2512



72.8257, 0.3306, 0.2587



72.8257, 0.4353, 0.3916

Rectangle

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



72.8257, 0.2861, 0.4182



72.8257, 0.2126, 0.3150



72.8257, 0.3306, 0.2587



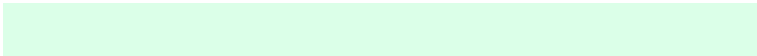
72.8257, 0.4233, 0.3276

Sweetspot

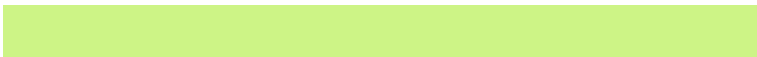
The Sweet Spot groups the original color and five complimentary colors.



72.8287, 0.2861, 0.4182



92.4698, 0.3037, 0.3525



79.4752, 0.3520, 0.4514



19.5702, 0.3023, 0.3564



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.



72.8287, 0.2861, 0.4182



78.1290, 0.2826, 0.4402



75.3450, 0.2597, 0.3487



18.5718, 0.3066, 0.3444



35.5957, 0.2842, 0.5431



3.1475, 0.2772, 0.5179

Inverse Universe

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



40.6342, 0.3561, 0.2551



38.4537, 0.3686, 0.2417



38.4948, 0.4155, 0.3113



16.6599, 0.3194, 0.3141



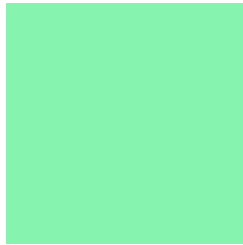
11.7748, 0.4396, 0.2195



1.0546, 0.4207, 0.2091

Previews

White Background



This preview shows how the Yxy color 72.8257, 0.2861, 0.4182 looks on a white background.

Color Contrast Check

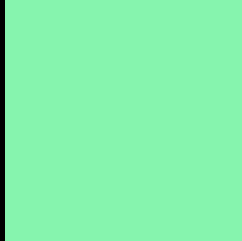
Large Text (above 18pt) WCAG AA × Fail

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 72.8257, 0.2861, 0.4182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

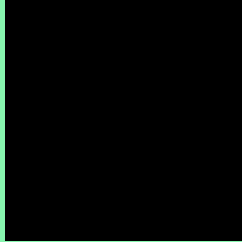
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8257, 0.2861, 0.4182

Background



This preview shows how black text looks on a background with the Yxy color 72.8257, 0.2861, 0.4182.

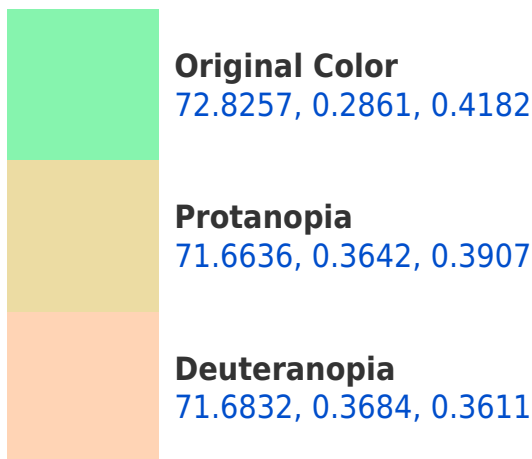


This preview shows how white text looks on a background with the Yxy color 72.8257, 0.2861, 0.4182.

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

72.7098, 0.2546, 0.3071

Trichromacy



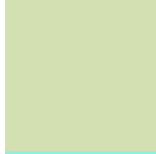
Original Color

72.8257, 0.2861, 0.4182



Protanomaly

70.9708, 0.3314, 0.4017



Deuteranomaly

70.3745, 0.3338, 0.3817



Tritanomaly

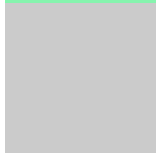
72.6419, 0.2660, 0.3457

Monochromacy



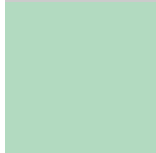
Original Color

72.8257, 0.2861, 0.4182



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.4136, 0.3014, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8257, 0.2861, 0.4182 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(134, 244, 174)` looks like.

```
.text, #text, p{  
    color:rgb(134, 244, 174)  
}
```

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(134, 244, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 244, 174) }
```

Border

The CSS property to change the border of an element to Yxy 72.8257, 0.2861, 0.4182 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(134, 244, 174) }
```

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

```
.border{ border-color:rgb(134, 244, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 244, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 244, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 244, 174);  
box-shadow:4px 4px 4px 4px rgb(134, 244,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8257, 0.2861, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 244, 174) }
```

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

```
.background{ background-color: rgb(134,  
244, 174) }
```

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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