

Converting Colors

$Yxy(72.1943, 0.3105, 0.4299)$

Have a look what the booklet for
Yxy(72.1943, 0.3105, 0.4299)
contains.

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Color

Yxy(71.8830, 0.3104, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	A2EF9E
RGB	162, 239, 158
RGB Percent	64%, 94%, 62%
CMY	0.3648, 0.0627, 0.3802
CMYK	0.32, 0.00, 0.34, 0.06
HSL	117°, 72%, 78%
HSV	117°, 34%, 94%
XYZ	51.9378, 71.8830, 43.5046
YIQ	206.7430, -19.8910, -41.5150

Conversions

Conversions Part 2

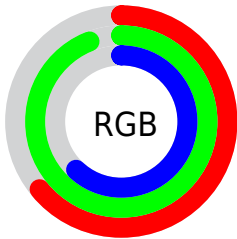
Format	Color
RYB	158, 239, 235
Decimal	10678174
CIELab	87.91, -39.12, 31.85
CIELCh	88, 50.449, 140.848
Yxy	71.8830, 0.3104, 0.4296
Android (android.graphics.Color)	4288868254 (0xFFA2EF9E)
YUV	206.7430, -24.0303, -39.2396
Hunter-Lab	84.7838, -39.0243, 28.9256

Details

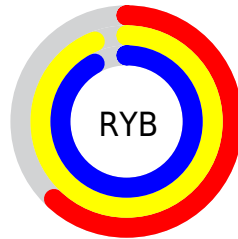
The Yxy color **71.8830, 0.3104, 0.4296** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.3765, 0.3133, 0.2441**, and the grayscale version is **62.3907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3842, 0.3143, 0.3731**, and **38.0334, 0.3075, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **68.9716, 0.3092, 0.4649**, and if you desaturate by 10%, it is **75.3912, 0.3113, 0.3962**.

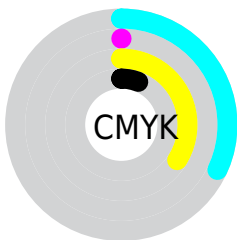
Distribution



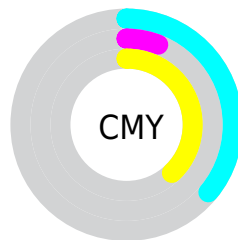
- Red (64%)
- Green (94%)
- Blue (62%)



- Red (62%)
- Yellow (94%)
- Blue (92%)



- Cyan (32%)
- Magenta (0%)
- Yellow (34%)
- Black (6%)




- Cyan (36%)
- Magenta (6%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8830, 0.3104, 0.4296 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 71.8830, 0.3104, 0.4296 by changing the saturation by 10% instead.


 71.8830, 0.3104,
0.4296


 71.8830, 0.3104,
0.4296

467.1343, 0.3130,
0.3803

 53.0631, 0.3093,
0.4415


 121.8902, 0.3117,
0.4120

 37.8532, 0.3078,
0.4565


 153.8462, 0.3121,
0.4053

 25.8687, 0.3054,
0.4760


190.9498, 0.3124,
0.3996

 16.7255, 0.3014,
0.5021

233.5853, 0.3126,
0.3946

 10.0389, 0.2946,
0.5388

282.1371, 0.3127,
0.3904

 5.4248, 0.2814,
0.5931

336.9896, 0.3129,

 2.4986, 0.2719,

0.3866

0.7281

398.5272, 0.3130,
0.3833

0.8759, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.8830, 0.3104,
0.4296

71.8830, 0.3104,
0.4296

68.9716, 0.3092,
0.4649

75.3912, 0.3113,
0.3962

66.6152, 0.3078,
0.5005

79.5170, 0.3120,
0.3657

64.7812, 0.3061,
0.5338

84.2914, 0.3126,
0.3386

63.4298, 0.3044,
0.5622

89.7409, 0.3129,
0.3149

■ 62.5154, 0.3028,
0.5831

■ 90.2168, 0.3134,
0.3136

■ 61.9839, 0.3013,
0.5954

■ 61.8122, 0.3008,
0.5994

Harmonies

Analogous

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



71.8830, 0.3693, 0.4393



71.8830, 0.3104, 0.4296



71.8830, 0.2551, 0.3822

Triad

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



71.8830, 0.3104, 0.4296



71.8830, 0.2157, 0.2396



71.8830, 0.4171, 0.3250

Complementary

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



71.8830, 0.3104, 0.4296



48.3765, 0.3133, 0.2441

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.



71.8830, 0.3678, 0.2820



71.8830, 0.3104, 0.4296



71.8830, 0.2508, 0.2345

Square

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



71.8830, 0.3104, 0.4296



71.8830, 0.2042, 0.2680



71.8830, 0.3054, 0.2499



71.8830, 0.4345, 0.3720

Rectangle

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



71.8830, 0.3104, 0.4296



71.8830, 0.2274, 0.3401



71.8830, 0.3054, 0.2499



71.8830, 0.4035, 0.3099

Sweetspot

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



71.8860, 0.3104, 0.4296



94.1506, 0.3123, 0.3549



80.2149, 0.3651, 0.4097



19.9895, 0.3122, 0.3588



0.0000, 0.0000, 0.0000



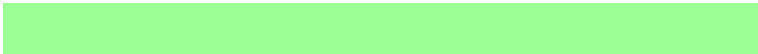
21.4041, 0.3127, 0.3290

Same Dimension

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



71.8860, 0.3104, 0.4296



80.7574, 0.3096, 0.4552



72.9271, 0.2879, 0.3834



17.6930, 0.3123, 0.3534



34.1726, 0.3010, 0.5992



2.8556, 0.3038, 0.5970

Inverse Universe

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



48.3765, 0.3133, 0.2441



49.4862, 0.3132, 0.2265



47.1126, 0.3488, 0.2806



15.9900, 0.3130, 0.3057



12.5212, 0.3088, 0.1475



1.0536, 0.3105, 0.1484

Previews

White Background



This preview shows how the Yxy color 71.8830, 0.3104, 0.4296 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 71.8830, 0.3104, 0.4296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

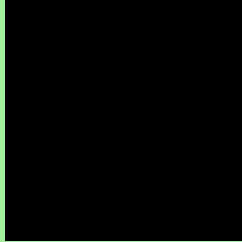
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8830, 0.3104, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 71.8830, 0.3104, 0.4296.

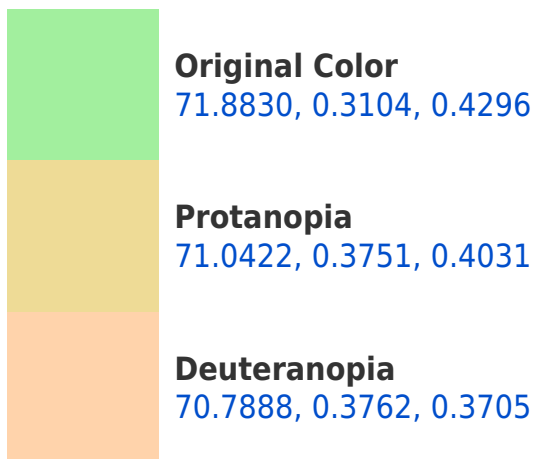


This preview shows how white text looks on a background with the Yxy color 71.8830, 0.3104, 0.4296.

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

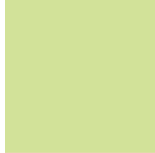
71.6056, 0.2704, 0.3086

Trichromacy



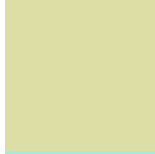
Original Color

71.8830, 0.3104, 0.4296



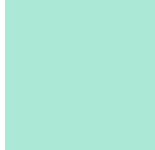
Protanomaly

70.3943, 0.3491, 0.4129



Deuteranomaly

69.8382, 0.3502, 0.3909



Tritanomaly

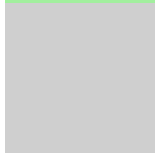
71.3389, 0.2848, 0.3503

Monochromacy



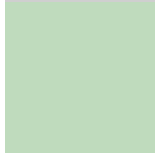
Original Color

71.8830, 0.3104, 0.4296



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

65.4135, 0.3125, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8830, 0.3104, 0.4296 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(162, 239, 158)` looks like.

```
.text, #text, p{  
    color:rgb(162, 239, 158)  
}
```

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(162, 239, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 239, 158) }
```

Border

The CSS property to change the border of an element to Yxy 71.8830, 0.3104, 0.4296 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(162, 239, 158) }
```

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

```
.border{ border-color:rgb(162, 239, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 239, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 239, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 239, 158);  
box-shadow:4px 4px 4px 4px rgb(162, 239,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8830, 0.3104, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 239, 158) }
```

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

```
.background{ background-color: rgb(162,  
239, 158) }
```

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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