

Converting Colors

$Yxy(72.1607, 0.2890, 0.4424)$

Have a look what the booklet for
Yxy(72.1607, 0.2890, 0.4424)
contains.

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Color

Yxy(72.0585, 0.2892, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	7CF59E
RGB	124, 245, 158
RGB Percent	49%, 96%, 62%
CMY	0.5141, 0.0392, 0.3804
CMYK	0.49, 0.00, 0.36, 0.04
HSL	137°, 86%, 72%
HSV	137°, 49%, 96%
XYZ	47.1265, 72.0585, 43.7696
YIQ	198.9030, -44.1890, -52.7090

Conversions

Conversions Part 2

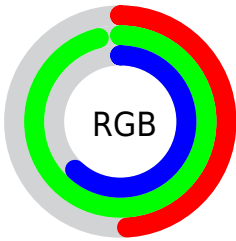
Format	Color
RYB	124, 218, 245
Decimal	8189342
CIELab	88.00, -52.52, 31.70
CIElCh	88, 61.345, 148.886
Yxy	72.0585, 0.2892, 0.4422
Android (android.graphics.Color)	4286379422 (0xFF7CF59E)
YUV	198.9030, -20.1652, -65.6899
Hunter-Lab	84.8873, -49.4558, 28.8500

Details

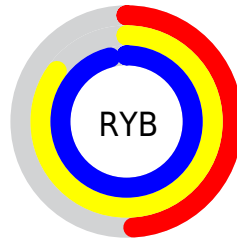
The Yxy color **72.0585, 0.2892, 0.4422** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.5094, 0.3513, 0.2390**, and the grayscale version is **57.1855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3914, 0.2929, 0.3760**, and **38.0638, 0.2812, 0.4729** is the 20% darker color. If you saturate the color by 10%, you get **69.8952, 0.2865, 0.4700**, and if you desaturate by 10%, it is **74.7679, 0.2930, 0.4153**.

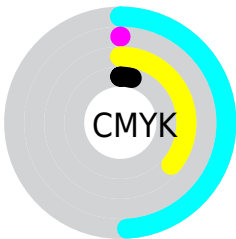
Distribution



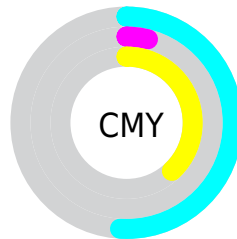
- Red (49%)
- Green (96%)
- Blue (62%)



- Red (49%)
- Yellow (85%)
- Blue (96%)



- Cyan (49%)
- Magenta (0%)
- Yellow (36%)
- Black (4%)





- Cyan (51%)
- Magenta (4%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0585, 0.2892, 0.4422 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 72.0585, 0.2892, 0.4422 by changing the saturation by 10% instead.


 72.0585, 0.2892,
0.4422


 72.0585, 0.2892,
0.4422

467.7452, 0.3021,
0.3861


 53.2065, 0.2857,
0.4559


 122.1397, 0.2941,
0.4220

 37.9676, 0.2811,
0.4733


 154.1377, 0.2959,
0.4144

 25.9576, 0.2748,
0.4960


 191.2864, 0.2973,
0.4079

 16.7919, 0.2657,
0.5267

233.9702, 0.2986,
0.4023

 10.0862, 0.2517,
0.5702

282.5737, 0.2997,
0.3974

 5.4562, 0.2283,
0.6353

337.4810, 0.3006,

 2.5173, 0.1955,

0.3932

0.8045

399.0767, 0.3014,
0.3894

0.8853, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.0585, 0.2892,
0.4422

72.0585, 0.2892,
0.4422

69.8952, 0.2865,
0.4700

74.7679, 0.2930,
0.4153

68.2312, 0.2852,
0.4976


78.0487, 0.2975,
0.3901

67.0263, 0.2856,
0.5236

81.9352, 0.3025,
0.3671

66.2301, 0.2875,
0.5467

86.4563, 0.3077,
0.3464

 65.7650, 0.2906,
0.5657

 91.6392, 0.3130,
0.3280

 65.7433, 0.2908,
0.5667

 93.7942, 0.3132,
0.3195

Harmonies

Analogous

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



72.0585, 0.3604, 0.4655



72.0585, 0.2892, 0.4422



72.0585, 0.2282, 0.3733

Triad

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



72.0585, 0.2892, 0.4422



72.0585, 0.2061, 0.2186



72.0585, 0.4497, 0.3369

Complementary

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



72.0585, 0.2892, 0.4422



38.5094, 0.3513, 0.2390

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.



72.0585, 0.3982, 0.2851



72.0585, 0.2892, 0.4422



72.0585, 0.2536, 0.2202

Square

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



72.0585, 0.2892, 0.4422



72.0585, 0.1853, 0.2430



72.0585, 0.3233, 0.2439



72.0585, 0.4572, 0.3919

Rectangle

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



72.0585, 0.2892, 0.4422



72.0585, 0.2010, 0.3206



72.0585, 0.3233, 0.2439



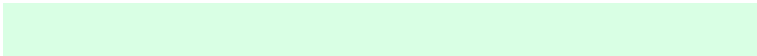
72.0585, 0.4368, 0.3190

Sweetspot

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



72.0615, 0.2892, 0.4422



91.8079, 0.3048, 0.3577



80.8719, 0.3620, 0.4600



19.4322, 0.3037, 0.3621



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.



72.0615, 0.2892, 0.4422



76.5992, 0.2866, 0.4692



74.5902, 0.2606, 0.3637



18.5487, 0.3077, 0.3465



35.4325, 0.2900, 0.5640



3.1310, 0.2832, 0.5396

Inverse Universe

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



38.5094, 0.3513, 0.2390



36.0586, 0.3618, 0.2241



36.0821, 0.4187, 0.2989



16.6841, 0.3181, 0.3121



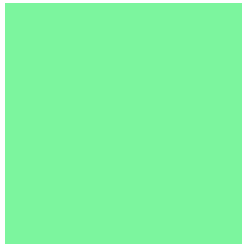
12.1725, 0.4077, 0.2020



1.0874, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 72.0585, 0.2892, 0.4422 looks on a white background.

Color Contrast Check

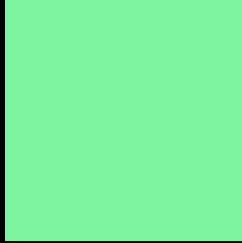
Large Text (above 18pt) WCAG AA × Fail

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 72.0585, 0.2892, 0.4422 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 72.0585, 0.2892, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 72.0585, 0.2892, 0.4422.

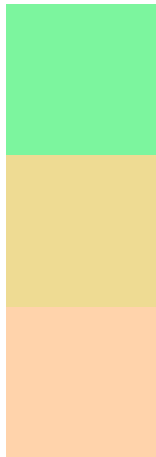


This preview shows how white text looks on a background with the Yxy color 72.0585, 0.2892, 0.4422.

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

72.0585, 0.2892, 0.4422

Protanopia

70.9468, 0.3771, 0.4063

Deuteranopia

70.7888, 0.3762, 0.3705



Tritanopia

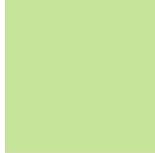
71.5091, 0.2521, 0.3068

Trichromacy



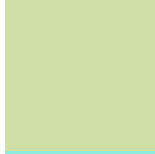
Original Color

72.0585, 0.2892, 0.4422



Protanomaly

69.5915, 0.3401, 0.4200



Deuteranomaly

68.7939, 0.3390, 0.3953



Tritanomaly

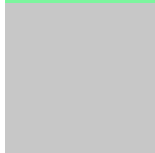
71.1193, 0.2654, 0.3522

Monochromacy



Original Color

72.0585, 0.2892, 0.4422



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

61.3431, 0.3023, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0585, 0.2892, 0.4422 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(124, 245, 158)` looks like.

```
.text, #text, p{  
    color:rgb(124, 245, 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(124, 245, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 245, 158) }
```

Border

The CSS property to change the border of an element to Yxy 72.0585, 0.2892, 0.4422 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(124, 245, 158) }
```

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

```
.border{ border-color:rgb(124, 245, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 245, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 245, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 245, 158);  
box-shadow:4px 4px 4px 4px rgb(124, 245,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0585, 0.2892, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 245, 158) }
```

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

```
.background{ background-color: rgb(124,  
245, 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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