

Converting Colors

$Y_{xy}(72.5388, 0.2955, 0.4856)$

Have a look what the booklet for
Yxy(72.5388, 0.2955, 0.4856)
contains.

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Color

Yxy(72.6143, 0.2955, 0.4853)

Conversions

Conversions Part 1

Format	Color
Hex	6DF982
RGB	109, 249, 130
RGB Percent	43%, 98%, 51%
CMY	0.5724, 0.0235, 0.4903
CMYK	0.56, 0.00, 0.48, 0.02
HSL	129°, 92%, 70%
HSV	129°, 56%, 98%
XYZ	44.2150, 72.6143, 32.7984
YIQ	193.5740, -45.2410, -66.6890

Conversions

Conversions Part 2

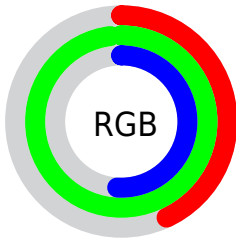
Format	Color
RYB	109, 231, 249
Decimal	7207298
CIELab	88.26, -61.99, 45.70
CIElCh	88, 77.014, 143.606
Yxy	72.6143, 0.2955, 0.4853
Android (android.graphics.Color)	4285397378 (0xFF6DF982)
YUV	193.5740, -31.3420, -74.1714
Hunter-Lab	85.2140, -56.5063, 36.8294

Details

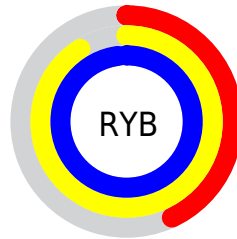
The Yxy color **72.6143, 0.2955, 0.4853** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.6924, 0.3391, 0.2125**, and the grayscale version is **53.9002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5688, 0.3003, 0.4107**, and **38.1690, 0.2861, 0.5275** is the 20% darker color. If you saturate the color by 10%, you get **70.7434, 0.2942, 0.5164**, and if you desaturate by 10%, it is **75.0554, 0.2977, 0.4533**.

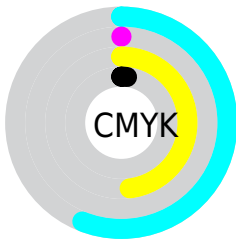
Distribution



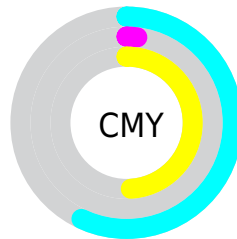
- Red (43%)
- Green (98%)
- Blue (51%)



- Red (43%)
- Yellow (91%)
- Blue (98%)



- Cyan (56%)
- Magenta (0%)
- Yellow (48%)
- Black (2%)




- Cyan (57%)
- Magenta (2%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6143, 0.2955, 0.4853 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 72.6143, 0.2955, 0.4853 by changing the saturation by 10% instead.

 72.6143, 0.2955,
0.4853


 72.6143, 0.2955,
0.4853


469.6769, 0.3073,
0.4072

 53.6606, 0.2917,
0.5043

 122.9295, 0.3004,
0.4572

 38.3304, 0.2864,
0.5283


 155.0598, 0.3021,
0.4465

 26.2392, 0.2787,
0.5593


 192.3512, 0.3034,
0.4375

 17.0027, 0.2669,
0.6005

235.1879, 0.3045,
0.4297

 10.2364, 0.2477,
0.6566

283.9545, 0.3054,
0.4230

 5.5560, 0.2198,
0.7515


339.0353, 0.3061,

 2.5770, 0.1368,


0.4171


0.8632

400.8146, 0.3067,
0.4118


 0.9151, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 72.6143, 0.2955,
0.4853


 72.6143, 0.2955,
0.4853


 70.7434, 0.2942,
0.5164

 75.0554, 0.2977,
0.4533

 69.3877, 0.2939,
0.5446


 78.0986, 0.3006,
0.4220


 68.4965, 0.2947,
0.5679


 81.7841, 0.3038,
0.3927

 68.0044, 0.2964,
0.5847

 86.1460, 0.3072,
0.3661

 67.8869, 0.2971,
0.5894

 91.2159, 0.3106,
0.3423

 96.2317, 0.3130,
0.3233

Harmonies

Analogous

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



72.6143, 0.3817, 0.4970



72.6143, 0.2955, 0.4853



72.6143, 0.2186, 0.4027

Triad

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



72.6143, 0.2955, 0.4853



72.6143, 0.1775, 0.1979



72.6143, 0.4762, 0.3235

Complementary

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



72.6143, 0.2955, 0.4853



36.6924, 0.3391, 0.2125

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.



72.6143, 0.4035, 0.2649



72.6143, 0.2955, 0.4853



72.6143, 0.2274, 0.1961

Square

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



72.6143, 0.2955, 0.4853



72.6143, 0.1589, 0.2306



72.6143, 0.3079, 0.2198



72.6143, 0.4932, 0.3880

Rectangle

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



72.6143, 0.2955, 0.4853



72.6143, 0.1833, 0.3330



72.6143, 0.3079, 0.2198



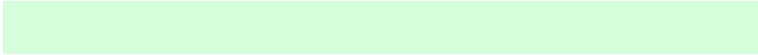
72.6143, 0.4572, 0.3030

Sweetspot

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



72.6173, 0.2955, 0.4853



90.5341, 0.3069, 0.3681



85.7362, 0.3802, 0.4698



19.1698, 0.3062, 0.3733



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.



72.6173, 0.2955, 0.4853



74.5312, 0.2941, 0.5191



75.0687, 0.2643, 0.3941



19.3515, 0.3095, 0.3498



36.3512, 0.2966, 0.5876



3.3789, 0.2915, 0.5696

Inverse Universe

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



36.6924, 0.3391, 0.2125



33.3058, 0.3454, 0.1962



33.6383, 0.4181, 0.2762



17.4773, 0.3161, 0.3091



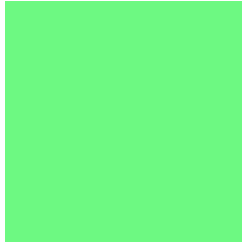
13.3350, 0.3628, 0.1772



1.2468, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 72.6143, 0.2955, 0.4853 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 72.6143, 0.2955, 0.4853 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 72.6143, 0.2955, 0.4853

Background



This preview shows how black text looks on a background with the Yxy color 72.6143, 0.2955, 0.4853.

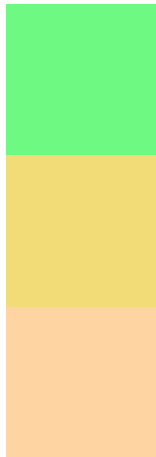


This preview shows how white text looks on a background with the Yxy color 72.6143, 0.2955, 0.4853.

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

72.6143, 0.2955, 0.4853

Protanopia

71.4197, 0.3973, 0.4325

Deuteranopia

70.9913, 0.3818, 0.3797



Tritanopia

72.1479, 0.2484, 0.3068

Trichromacy



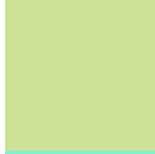
Original Color

72.6143, 0.2955, 0.4853



Protanomaly

70.0764, 0.3530, 0.4543



Deuteranomaly

68.6413, 0.3446, 0.4159



Tritanomaly

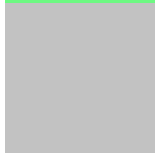
71.5908, 0.2656, 0.3676

Monochromacy



Original Color

72.6143, 0.2955, 0.4853



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

58.8199, 0.3044, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6143, 0.2955, 0.4853 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(109, 249, 130)` looks like.

```
.text, #text, p{  
    color:rgb(109, 249, 130)  
}
```

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(109, 249, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 249, 130) }
```

Border

The CSS property to change the border of an element to Yxy 72.6143, 0.2955, 0.4853 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(109, 249, 130) }
```

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

```
.border{ border-color:rgb(109, 249, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 249, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 249, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 249, 130);  
box-shadow:4px 4px 4px 4px rgb(109, 249,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6143, 0.2955, 0.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 249, 130) }
```

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

```
.background{ background-color: rgb(109,  
249, 130) }
```

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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