

Converting Colors

$Y_{xy}(72.5180, 0.2825, 0.4620)$

Have a look what the booklet for
Yxy(72.5180, 0.2825, 0.4620)
contains.

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Color

Yxy(72.5180, 0.2825, 0.4620)

Conversions

Conversions Part 1

Format	Color
Hex	62F995
RGB	98, 249, 149
RGB Percent	38%, 98%, 58%
CMY	0.6155, 0.0235, 0.4156
CMYK	0.61, 0.00, 0.40, 0.02
HSL	140°, 93%, 68%
HSV	140°, 61%, 98%
XYZ	44.3427, 72.5180, 40.1047
YIQ	192.4510, -57.8960, -63.1120

Conversions

Conversions Part 2

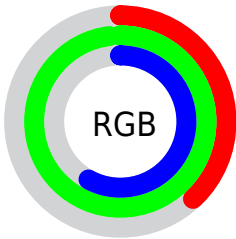
Format	Color
RYB	98, 211, 249
Decimal	6486421
CIELab	88.22, -61.42, 36.32
CIELCh	88, 71.357, 149.403
Yxy	72.5180, 0.2825, 0.4620
Android (android.graphics.Color)	4284676501 (0xFF62F995)
YUV	192.4510, -21.4213, -82.8335
Hunter-Lab	85.1575, -56.0781, 31.6878

Details

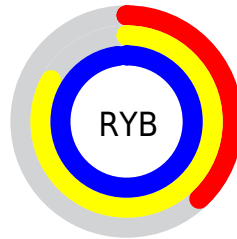
The Yxy color **72.5180, 0.2825, 0.4620** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **32.9618, 0.3736, 0.2296**, and the grayscale version is **53.1527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4567, 0.2856, 0.3885**, and **38.1247, 0.2718, 0.4985** is the 20% darker color. If you saturate the color by 10%, you get **70.8538, 0.2812, 0.4878**, and if you desaturate by 10%, it is **74.6934, 0.2854, 0.4362**.

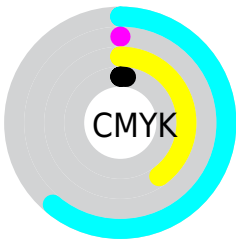
Distribution



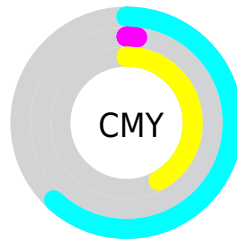
- Red (38%)
- Green (98%)
- Blue (58%)



- Red (38%)
- Yellow (83%)
- Blue (98%)



- Cyan (61%)
- Magenta (0%)
- Yellow (40%)
- Black (2%)





- Cyan (62%)
- Magenta (2%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5180, 0.2825, 0.4620 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 72.5180, 0.2825, 0.4620 by changing the saturation by 10% instead.

 72.5180, 0.2825,
0.4620


 72.5180, 0.2825,
0.4620


469.3426, 0.2992,
0.3956


 53.5819, 0.2780,
0.4783


 122.7927, 0.2889,
0.4380

 38.2675, 0.2720,
0.4990


 154.9001, 0.2912,
0.4290

 26.1904, 0.2637,
0.5260


 192.1668, 0.2931,
0.4213

 16.9661, 0.2518,
0.5624

234.9771, 0.2947,
0.4147

 10.2103, 0.2336,
0.6136

283.7154, 0.2961,
0.4090

 5.5386, 0.2038,
0.6889

338.7662, 0.2972,

 2.5666, 0.1399,

0.4040

0.8601

400.5138, 0.2983,
0.3995

0.9099, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.5180, 0.2825,
0.4620

72.5180, 0.2825,
0.4620

70.8538, 0.2812,
0.4878

74.6934, 0.2854,
0.4362

69.6473, 0.2816,
0.5126


77.4103, 0.2895,
0.4112

68.8487, 0.2838,
0.5351

80.7066, 0.2946,
0.3879

68.3924, 0.2870,
0.5533

84.6144, 0.3003,
0.3664

 89.1636, 0.3063,
0.3471

 94.3818, 0.3123,
0.3300

 96.2309, 0.3130,
0.3233

Harmonies

Analogous

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



72.5180, 0.3635, 0.4879



72.5180, 0.2825, 0.4620



72.5180, 0.2142, 0.3786

Triad

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



72.5180, 0.2825, 0.4620



72.5180, 0.1924, 0.2035



72.5180, 0.4721, 0.3367

Complementary

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



72.5180, 0.2825, 0.4620



32.9618, 0.3736, 0.2296

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.



72.5180, 0.4130, 0.2792



72.5180, 0.2825, 0.4620



72.5180, 0.2457, 0.2064

Square

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



72.5180, 0.2825, 0.4620



72.5180, 0.1689, 0.2289



72.5180, 0.3256, 0.2332



72.5180, 0.4780, 0.3983

Rectangle

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



72.5180, 0.2825, 0.4620



72.5180, 0.1846, 0.3161



72.5180, 0.3256, 0.2332



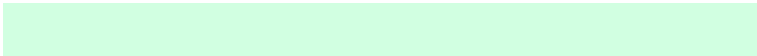
72.5180, 0.4577, 0.3167

Sweetspot

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



72.5210, 0.2825, 0.4620



90.5044, 0.3018, 0.3612



80.7322, 0.3625, 0.4914



19.0888, 0.3001, 0.3671



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.



72.5210, 0.2825, 0.4620



74.4380, 0.2811, 0.4941



75.7233, 0.2489, 0.3600



19.4060, 0.3069, 0.3451



36.6334, 0.2862, 0.5504



3.4118, 0.2796, 0.5265

Inverse Universe

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



32.9618, 0.3736, 0.2296



29.3094, 0.3917, 0.2171



30.3190, 0.4725, 0.3046



17.4191, 0.3190, 0.3134



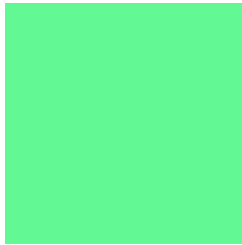
12.2604, 0.4293, 0.2138



1.1553, 0.4130, 0.2049

Previews

White Background



This preview shows how the Yxy color 72.5180, 0.2825, 0.4620 looks on a white background.

Color Contrast Check

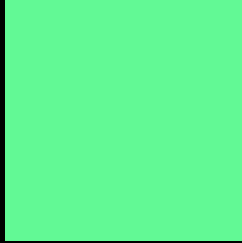
Large Text (above 18pt) WCAG AA × Fail

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 72.5180, 0.2825, 0.4620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

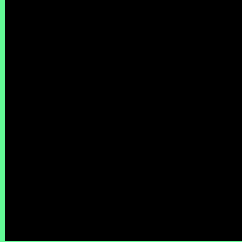
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

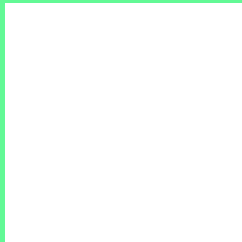
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.5180, 0.2825, 0.4620

Background



This preview shows how black text looks on a background with the Yxy color 72.5180, 0.2825, 0.4620.

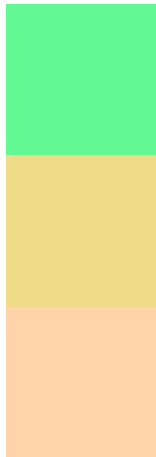


This preview shows how white text looks on a background with the Yxy color 72.5180, 0.2825, 0.4620.

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

72.5180, 0.2825, 0.4620

Protanopia

71.3433, 0.3842, 0.4172

Deuteranopia

71.2115, 0.3774, 0.3735



Tritanopia

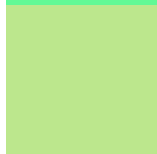
72.0362, 0.2444, 0.3066

Trichromacy



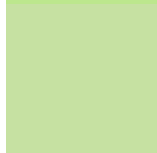
Original Color

72.5180, 0.2825, 0.4620



Protanomaly

69.7663, 0.3389, 0.4369



Deuteranomaly

68.4648, 0.3345, 0.4037



Tritanomaly

71.7904, 0.2581, 0.3601

Monochromacy



Original Color

72.5180, 0.2825, 0.4620



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

57.9922, 0.2978, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5180, 0.2825, 0.4620 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(98, 249, 149)` looks like.

```
.text, #text, p{  
  color:rgb(98, 249, 149)  
}
```

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(98, 249, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 249, 149) }
```

Border

The CSS property to change the border of an element to Yxy 72.5180, 0.2825, 0.4620 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(98, 249, 149) }
```

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

```
.border{ border-color:rgb(98, 249, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 249, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 249, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 249, 149);  
box-shadow:4px 4px 4px 4px rgb(98, 249,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5180, 0.2825, 0.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 249, 149) }
```

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

```
.background{ background-color: rgb(98, 249,  
149) }
```

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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