

Converting Colors

Yxy(72.6323, 0.2906, 0.4718)

Have a look what the booklet for
Yxy(72.6323, 0.2906, 0.4718)
contains.

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Color

Yxy(72.8330, 0.2906, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	6CF98C
RGB	108, 249, 140
RGB Percent	42%, 98%, 55%
CMY	0.5765, 0.0235, 0.4509
CMYK	0.57, 0.00, 0.44, 0.02
HSL	134°, 92%, 70%
HSV	134°, 57%, 98%
XYZ	44.7942, 72.8330, 36.5167
YIQ	194.4150, -49.0470, -63.7910

Conversions

Conversions Part 2

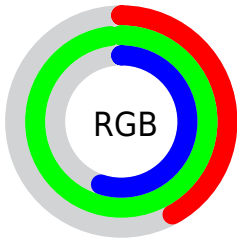
Format	Color
RYB	108, 223, 249
Decimal	7141772
CIELab	88.37, -60.76, 40.99
CIELCh	88, 73.293, 145.995
Yxy	72.8330, 0.2906, 0.4725
Android (android.graphics.Color)	4285331852 (0xFF6CF98C)
YUV	194.4150, -26.8266, -75.7860
Hunter-Lab	85.3423, -55.6583, 34.3703

Details

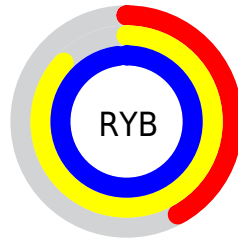
The Yxy color **72.8330, 0.2906, 0.4725** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.8726, 0.3507, 0.2209**, and the grayscale version is **54.3930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8951, 0.2945, 0.3987**, and **38.3063, 0.2812, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **70.9724, 0.2891, 0.5018**, and if you desaturate by 10%, it is **75.2446, 0.2932, 0.4429**.

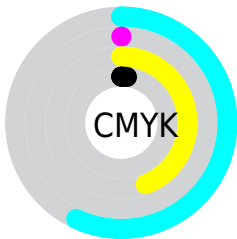
Distribution



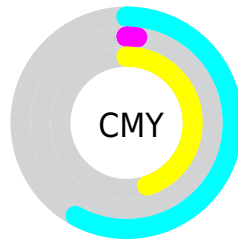
- Red (42%)
- Green (98%)
- Blue (55%)



- Red (42%)
- Yellow (87%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (44%)
- Black (2%)




- Cyan (58%)
- Magenta (2%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8330, 0.2906, 0.4725 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 72.8330, 0.2906, 0.4725 by changing the saturation by 10% instead.


 72.8330, 0.2906,
0.4725

 72.8330, 0.2906,
0.4725


470.4358, 0.3040,
0.4009


 53.8394, 0.2866,
0.4900

 123.2401, 0.2959,
0.4467

 38.4733, 0.2813,
0.5121

 155.4224, 0.2978,
0.4369

 26.3502, 0.2737,
0.5409


 192.7698, 0.2993,
0.4286

 17.0858, 0.2624,
0.5794


235.6665, 0.3006,
0.4215

 10.2957, 0.2444,
0.6328

284.4971, 0.3017,
0.4153

 5.5955, 0.2155,
0.7139

339.6460, 0.3026,

 2.6007, 0.1474,

0.4099

0.8526

401.4974, 0.3033,
0.4051

0.9270, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.8330, 0.2906,
0.4725

72.8330, 0.2906,
0.4725

70.9724, 0.2891,
0.5018

75.2446, 0.2932,
0.4429

69.6096, 0.2890,
0.5293


78.2374, 0.2967,
0.4144

68.6959, 0.2904,
0.5534

81.8500, 0.3008,
0.3878

68.1677, 0.2929,
0.5725

86.1152, 0.3052,
0.3635

 68.0452, 0.2938,
0.5778

 91.0634, 0.3097,
0.3419

 96.2341, 0.3130,
0.3233

Harmonies

Analogous

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



72.8330, 0.3734, 0.4906



72.8330, 0.2906, 0.4725



72.8330, 0.2184, 0.3911

Triad

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



72.8330, 0.2906, 0.4725



72.8330, 0.1857, 0.2022



72.8330, 0.4718, 0.3294

Complementary

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



72.8330, 0.2906, 0.4725



35.8726, 0.3507, 0.2209

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.



72.8330, 0.4060, 0.2719



72.8330, 0.2906, 0.4725



72.8330, 0.2364, 0.2022

Square

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



72.8330, 0.2906, 0.4725



72.8330, 0.1652, 0.2315



72.8330, 0.3155, 0.2270



72.8330, 0.4840, 0.3920

Rectangle

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



72.8330, 0.2906, 0.4725



72.8330, 0.1858, 0.3259



72.8330, 0.3155, 0.2270



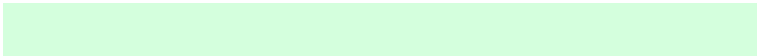
72.8330, 0.4550, 0.3094

Sweetspot

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



72.8360, 0.2906, 0.4725



90.7121, 0.3051, 0.3644



83.8119, 0.3722, 0.4753



19.2113, 0.3042, 0.3691



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.



72.8360, 0.2906, 0.4725



74.6762, 0.2890, 0.5060



75.5478, 0.2587, 0.3790



19.3738, 0.3084, 0.3479



36.4397, 0.2932, 0.5754



3.3903, 0.2872, 0.5538

Inverse Universe

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



35.8726, 0.3507, 0.2209



32.1722, 0.3611, 0.2053



33.0007, 0.4346, 0.2882



17.4531, 0.3173, 0.3109



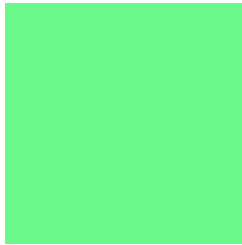
12.8507, 0.3884, 0.1913



1.2061, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 72.8330, 0.2906, 0.4725 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 72.8330, 0.2906, 0.4725 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 72.8330, 0.2906, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 72.8330, 0.2906, 0.4725.

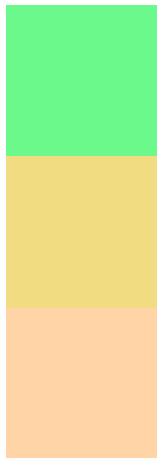


This preview shows how white text looks on a background with the Yxy color 72.8330, 0.2906, 0.4725.

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

72.8330, 0.2906, 0.4725

Protanopia

71.4722, 0.3909, 0.4244

Deuteranopia

71.1370, 0.3789, 0.3756



Tritanopia

72.6142, 0.2473, 0.3068

Trichromacy



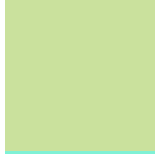
Original Color

72.8330, 0.2906, 0.4725



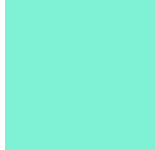
Protanomaly

70.1827, 0.3472, 0.4447



Deuteranomaly

68.8413, 0.3407, 0.4089



Tritanomaly

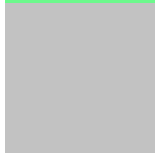
72.2267, 0.2630, 0.3637

Monochromacy



Original Color

72.8330, 0.2906, 0.4725



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

58.9357, 0.3025, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8330, 0.2906, 0.4725 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(108, 249, 140)` looks like.

```
.text, #text, p{  
    color:rgb(108, 249, 140)  
}
```

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(108, 249, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 249, 140) }
```

Border

The CSS property to change the border of an element to Yxy 72.8330, 0.2906, 0.4725 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(108, 249, 140) }
```

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

```
.border{ border-color:rgb(108, 249, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 249, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 249, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 249, 140); box-shadow:4px 4px 4px 4px rgb(108, 249, 140) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8330, 0.2906, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 249, 140) }
```

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

```
.background{ background-color: rgb(108,  
249, 140) }
```

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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