

Converting Colors

$Yxy(72.8372, 0.2864, 0.4663)$

Have a look what the booklet for
Yxy(72.8372, 0.2864, 0.4663)
contains.

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Color

Yxy(72.7388, 0.2867, 0.4666)

Conversions

Conversions Part 1

Format	Color
Hex	68F991
RGB	104, 249, 145
RGB Percent	41%, 98%, 57%
CMY	0.5921, 0.0235, 0.4315
CMYK	0.58, 0.00, 0.42, 0.02
HSL	137°, 92%, 69%
HSV	137°, 58%, 98%
XYZ	44.6940, 72.7388, 38.4583
YIQ	193.7890, -53.0360, -63.0840

Conversions

Conversions Part 2

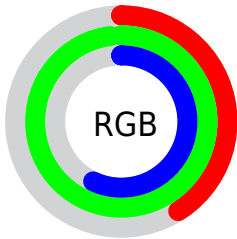
Format	Color
RYB	104, 217, 249
Decimal	6879633
CIELab	88.32, -60.86, 38.49
CIELCh	88, 72.007, 147.686
Yxy	72.7388, 0.2867, 0.4666
Android (android.graphics.Color)	4285069713 (0xFF68F991)
YUV	193.7890, -24.0530, -78.7450
Hunter-Lab	85.2870, -55.7108, 32.9654

Details

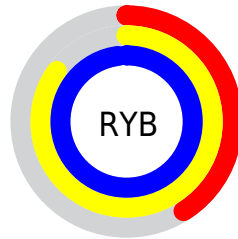
The Yxy color **72.7388, 0.2867, 0.4666** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.5998, 0.3610, 0.2254**, and the grayscale version is **53.9870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7971, 0.2903, 0.3929**, and **38.2586, 0.2768, 0.5041** is the 20% darker color. If you saturate the color by 10%, you get **70.9567, 0.2852, 0.4943**, and if you desaturate by 10%, it is **75.0533, 0.2895, 0.4389**.

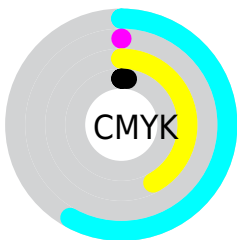
Distribution



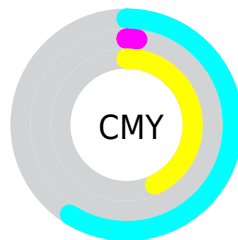
- Red (41%)
- Green (98%)
- Blue (57%)



- Red (41%)
- Yellow (85%)
- Blue (98%)



- Cyan (58%)
- Magenta (0%)
- Yellow (42%)
- Black (2%)




- Cyan (59%)
- Magenta (2%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7388, 0.2867, 0.4666 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 72.7388, 0.2867, 0.4666 by changing the saturation by 10% instead.


 72.7388, 0.2867,
0.4666

 72.7388, 0.2867,
0.4666

470.1090, 0.3016,
0.3979


 53.7624, 0.2825,
0.4834


 123.1063, 0.2925,
0.4418

 38.4117, 0.2769,
0.5047


 155.2663, 0.2946,
0.4325

 26.3024, 0.2690,
0.5325


 192.5895, 0.2963,
0.4245

 17.0500, 0.2575,
0.5698

235.4604, 0.2977,
0.4177

 10.2702, 0.2396,
0.6220

284.2635, 0.2989,
0.4118

 5.5784, 0.2103,
0.6991

339.3830, 0.3000,

 2.5905, 0.1459,

0.4066

0.8541

401.2034, 0.3008,
0.4020

0.9219, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.7388, 0.2867,
0.4666

72.7388, 0.2867,
0.4666

70.9567, 0.2852,
0.4943

75.0533, 0.2895,
0.4389

69.6540, 0.2854,
0.5206


77.9302, 0.2934,
0.4122

68.7822, 0.2871,
0.5441

81.4076, 0.2980,
0.3872


68.2710, 0.2902,
0.5636

85.5178, 0.3031,
0.3644

 68.2013, 0.2907,
0.5666

 90.2906, 0.3084,
0.3440

 95.7540, 0.3136,
0.3260

 96.2348, 0.3130,
0.3233

Harmonies

Analogous

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



72.7388, 0.3683, 0.4886



72.7388, 0.2867, 0.4666



72.7388, 0.2167, 0.3846

Triad

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



72.7388, 0.2867, 0.4666



72.7388, 0.1895, 0.2033



72.7388, 0.4713, 0.3331

Complementary

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



72.7388, 0.2867, 0.4666



34.5998, 0.3610, 0.2254

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.



72.7388, 0.4091, 0.2758



72.7388, 0.2867, 0.4666



72.7388, 0.2413, 0.2047

Square

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



72.7388, 0.2867, 0.4666



72.7388, 0.1676, 0.2306



72.7388, 0.3206, 0.2305



72.7388, 0.4804, 0.3950

Rectangle

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



72.7388, 0.2867, 0.4666



72.7388, 0.1857, 0.3210



72.7388, 0.3206, 0.2305



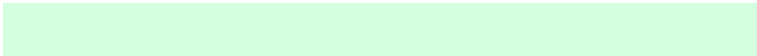
72.7388, 0.4557, 0.3132

Sweetspot

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



72.7418, 0.2867, 0.4666



90.8412, 0.3037, 0.3618



82.5061, 0.3682, 0.4818



19.2415, 0.3027, 0.3662



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.



72.7418, 0.2867, 0.4666



74.6073, 0.2851, 0.4993



75.6136, 0.2546, 0.3711



19.3898, 0.3077, 0.3465



36.5261, 0.2900, 0.5639



3.4003, 0.2836, 0.5408

Inverse Universe

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



34.5998, 0.3610, 0.2254



30.8855, 0.3748, 0.2111



31.8738, 0.4498, 0.2950



17.4360, 0.3181, 0.3121



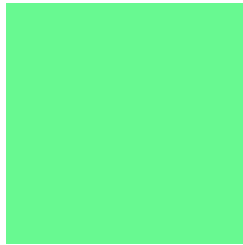
12.5409, 0.4082, 0.2022



1.1796, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 72.7388, 0.2867, 0.4666 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 72.7388, 0.2867, 0.4666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

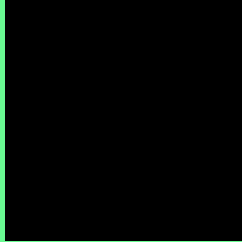
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.7388, 0.2867, 0.4666

Background



This preview shows how black text looks on a background with the Yxy color 72.7388, 0.2867, 0.4666.

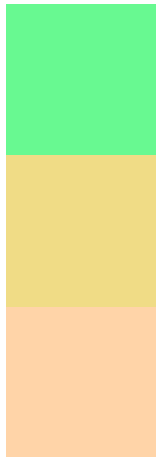


This preview shows how white text looks on a background with the Yxy color 72.7388, 0.2867, 0.4666.

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

72.7388, 0.2867, 0.4666

Protanopia

71.4329, 0.3869, 0.4199

Deuteranopia

71.1741, 0.3781, 0.3746



Tritanopia

72.3618, 0.2460, 0.3067

Trichromacy



Original Color

72.7388, 0.2867, 0.4666



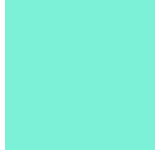
Protanomaly

70.0632, 0.3428, 0.4395



Deuteranomaly

68.6679, 0.3373, 0.4057



Tritanomaly

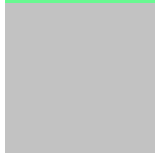
72.1020, 0.2607, 0.3612

Monochromacy



Original Color

72.7388, 0.2867, 0.4666



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

58.8048, 0.2998, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7388, 0.2867, 0.4666 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(104, 249, 145)` looks like.

```
.text, #text, p{  
    color:rgb(104, 249, 145)  
}
```

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(104, 249, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 249, 145) }
```

Border

The CSS property to change the border of an element to Yxy 72.7388, 0.2867, 0.4666 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(104, 249, 145) }
```

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

```
.border{ border-color:rgb(104, 249, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 249, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 249, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 249, 145); box-shadow:4px 4px 4px 4px rgb(104, 249, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7388, 0.2867, 0.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 249, 145) }
```

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

```
.background{ background-color: rgb(104,  
249, 145) }
```

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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