

Converting Colors

Yxy(71.0088, 0.2962, 0.4917)

Have a look what the booklet for
Yxy(71.0088, 0.2962, 0.4917)
contains.

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Color

Yxy(70.9800, 0.2962, 0.4922)

Conversions

Conversions Part 1

Format	Color
Hex	69F77C
RGB	105, 247, 124
RGB Percent	41%, 97%, 49%
CMY	0.5886, 0.0313, 0.5138
CMYK	0.58, 0.00, 0.50, 0.03
HSL	128°, 90%, 69%
HSV	128°, 58%, 97%
XYZ	42.7149, 70.9800, 30.5148
YIQ	190.5200, -45.1490, -68.3570

Conversions

Conversions Part 2

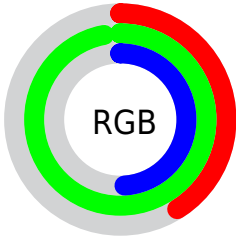
Format	Color
RYB	105, 230, 247
Decimal	6944636
CIELab	87.48, -63.03, 47.52
CIELCh	87, 78.936, 142.983
Yxy	70.9800, 0.2962, 0.4922
Android (android.graphics.Color)	4285134716 (0xFF69F77C)
YUV	190.5200, -32.7944, -75.0010
Hunter-Lab	84.2496, -56.9366, 37.5002

Details

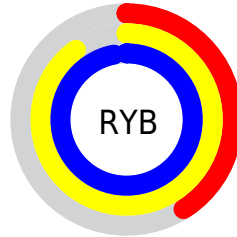
The Yxy color **70.9800, 0.2962, 0.4922** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.4558, 0.3376, 0.2086**, and the grayscale version is **52.0064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9902, 0.3017, 0.4184**, and **37.0961, 0.2866, 0.5364** is the 20% darker color. If you saturate the color by 10%, you get **69.2163, 0.2950, 0.5233**, and if you desaturate by 10%, it is **73.3009, 0.2982, 0.4598**.

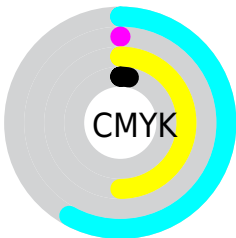
Distribution



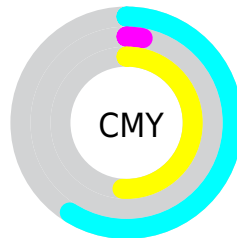
- Red (41%)
- Green (97%)
- Blue (49%)



- Red (41%)
- Yellow (90%)
- Blue (97%)



- Cyan (58%)
- Magenta (0%)
- Yellow (50%)
- Black (3%)




- Cyan (59%)
- Magenta (3%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9800, 0.2962, 0.4922 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 70.9800, 0.2962, 0.4922 by changing the saturation by 10% instead.


 70.9800, 0.2962,
0.4922

 70.9800, 0.2962,
0.4922


463.9835, 0.3080,
0.4103

 52.3259, 0.2923,
0.5122


 120.6052, 0.3013,
0.4626

 37.2649, 0.2867,
0.5375


 152.3452, 0.3030,
0.4515

 25.4127, 0.2785,
0.5701


 189.2158, 0.3043,
0.4420

 16.3848, 0.2658,
0.6133

231.6015, 0.3054,
0.4338

 9.7968, 0.2449,
0.6719

279.8868, 0.3062,
0.4268

 5.2645, 0.2174,
0.7826

334.4559, 0.3069,

 2.4033, 0.1110,

0.4206

0.8890

395.6934, 0.3075,
0.4151

0.8276, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.9800, 0.2962,
0.4922

70.9800, 0.2962,
0.4922

69.2163, 0.2950,
0.5233

73.3009, 0.2982,
0.4598

67.9546, 0.2948,
0.5509


76.2114, 0.3009,
0.4278


67.1436, 0.2956,
0.5731

79.7516, 0.3039,
0.3977


66.7131, 0.2972,
0.5884

83.9556, 0.3071,
0.3702

 66.6418, 0.2975,
0.5911

 88.8552, 0.3103,
0.3456

 94.4798, 0.3135,
0.3239

 95.0109, 0.3131,
0.3214

Harmonies

Analogous

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



70.9800, 0.3846, 0.5017



70.9800, 0.2962, 0.4922



70.9800, 0.2170, 0.4075

Triad

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



70.9800, 0.2962, 0.4922



70.9800, 0.1733, 0.1947



70.9800, 0.4805, 0.3214

Complementary

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



70.9800, 0.2962, 0.4922



35.4558, 0.3376, 0.2086

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.



70.9800, 0.4044, 0.2618



70.9800, 0.2962, 0.4922



70.9800, 0.2235, 0.1924

Square

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



70.9800, 0.2962, 0.4922



70.9800, 0.1549, 0.2285



70.9800, 0.3056, 0.2162



70.9800, 0.4987, 0.3872

Rectangle

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



70.9800, 0.2962, 0.4922



70.9800, 0.1804, 0.3349



70.9800, 0.3056, 0.2162



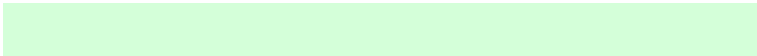
70.9800, 0.4604, 0.3006

Sweetspot

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



70.9829, 0.2962, 0.4922



90.4996, 0.3073, 0.3688



84.0535, 0.3813, 0.4726



19.1617, 0.3066, 0.3741



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.



70.9829, 0.2962, 0.4922



74.1575, 0.2949, 0.5280



73.4637, 0.2636, 0.3959



18.5083, 0.3097, 0.3501



35.2513, 0.2971, 0.5894



3.1093, 0.2921, 0.5714

Inverse Universe

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



35.4558, 0.3376, 0.2086



32.6489, 0.3437, 0.1918



32.2935, 0.4219, 0.2753



16.7277, 0.3159, 0.3088



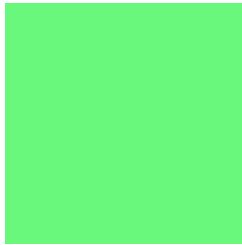
13.0359, 0.3581, 0.1746



1.1561, 0.3527, 0.1717

Previews

White Background



This preview shows how the Yxy color 70.9800, 0.2962, 0.4922 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 70.9800, 0.2962, 0.4922 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

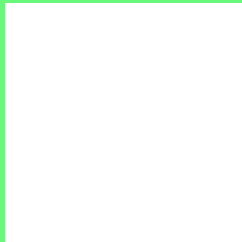
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9800, 0.2962, 0.4922

Background



This preview shows how black text looks on a background with the Yxy color 70.9800, 0.2962, 0.4922.



This preview shows how white text looks on a background with the Yxy color 70.9800, 0.2962, 0.4922.

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

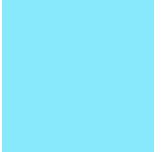
70.9800, 0.2962, 0.4922

Protanopia

69.8830, 0.4004, 0.4369

Deuteranopia

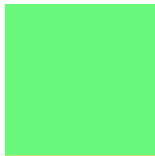
69.7197, 0.3885, 0.3859



Tritanopia

70.6245, 0.2475, 0.3066

Trichromacy



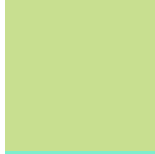
Original Color

70.9800, 0.2962, 0.4922



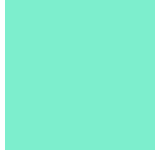
Protanomaly

68.4230, 0.3548, 0.4599



Deuteranomaly

67.0683, 0.3480, 0.4225



Tritanomaly

69.9168, 0.2654, 0.3707

Monochromacy



Original Color

70.9800, 0.2962, 0.4922



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.7126, 0.3049, 0.3888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9800, 0.2962, 0.4922 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(105, 247, 124)` looks like.

```
.text, #text, p{  
    color:rgb(105, 247, 124)  
}
```

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(105, 247, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 247, 124) }
```

Border

The CSS property to change the border of an element to Yxy 70.9800, 0.2962, 0.4922 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(105, 247, 124) }
```

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

```
.border{ border-color:rgb(105, 247, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 247, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 247, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 247, 124);  
box-shadow:4px 4px 4px 4px rgb(105, 247,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9800, 0.2962, 0.4922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 247, 124) }
```

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

```
.background{ background-color: rgb(105,  
247, 124) }
```

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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