

Converting Colors

$Yxy(71.8079, 0.2920, 0.4729)$

Have a look what the booklet for
Yxy(71.8079, 0.2920, 0.4729)
contains.

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Color

Yxy(71.6715, 0.2923, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	6EF78A
RGB	110, 247, 138
RGB Percent	43%, 97%, 54%
CMY	0.5685, 0.0314, 0.4589
CMYK	0.55, 0.00, 0.44, 0.03
HSL	132°, 90%, 70%
HSV	132°, 55%, 97%
XYZ	44.2815, 71.6715, 35.5403
YIQ	193.6110, -46.6630, -62.9430

Conversions

Conversions Part 2

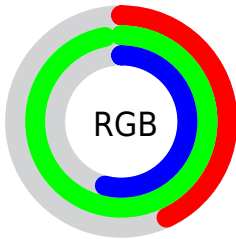
Format	Color
RYB	110, 224, 247
Decimal	7272330
CIELab	87.81, -59.85, 41.28
CIELCh	88, 72.700, 145.404
Yxy	71.6715, 0.2923, 0.4731
Android (android.graphics.Color)	4285462410 (0xFF6EF78A)
YUV	193.6110, -27.4162, -73.3268
Hunter-Lab	84.6590, -54.7876, 34.3710

Details

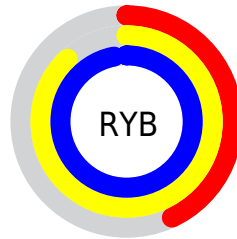
The Yxy color **71.6715, 0.2923, 0.4731** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.0520, 0.3463, 0.2201**, and the grayscale version is **53.8992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0282, 0.2967, 0.4009**, and **37.9301, 0.2833, 0.5134** is the 20% darker color. If you saturate the color by 10%, you get **69.7853, 0.2908, 0.5031**, and if you desaturate by 10%, it is **74.1081, 0.2949, 0.4428**.

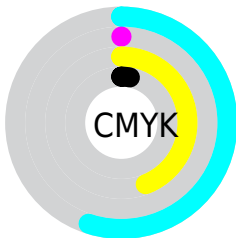
Distribution



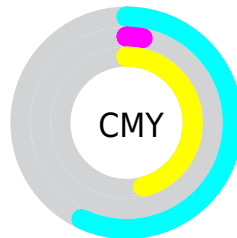
- Red (43%)
- Green (97%)
- Blue (54%)



- Red (43%)
- Yellow (88%)
- Blue (97%)



- Cyan (55%)
- Magenta (0%)
- Yellow (44%)
- Black (3%)





- Cyan (57%)
- Magenta (3%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6715, 0.2923, 0.4731 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 71.6715, 0.2923, 0.4731 by changing the saturation by 10% instead.


 71.6715, 0.2923,
0.4731


 71.6715, 0.2923,
0.4731


466.3974, 0.3050,
0.4010

 52.8904, 0.2885,
0.4908


 121.5894, 0.2974,
0.4471

 37.7153, 0.2832,
0.5131


 153.4949, 0.2992,
0.4373

 25.7618, 0.2758,
0.5422


 190.5440, 0.3006,
0.4289

 16.6455, 0.2646,
0.5811

233.1212, 0.3018,
0.4218

 9.9821, 0.2466,
0.6351

281.6107, 0.3028,
0.4155

 5.3871, 0.2180,
0.7197


336.3969, 0.3036,

 2.4761, 0.1430,


0.4101


0.8570

397.8644, 0.3044,
0.4053


 0.8646, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 71.6715, 0.2923,
0.4731


 71.6715, 0.2923,
0.4731

 69.7853, 0.2908,
0.5031

 74.1081, 0.2949,
0.4428

 68.3975, 0.2905,
0.5312


 77.1249, 0.2983,
0.4136

 67.4609, 0.2915,
0.5556

 80.7597, 0.3021,
0.3865

 66.9144, 0.2938,
0.5748

 85.0447, 0.3063,
0.3618

 66.7560, 0.2949,
0.5817

 90.0098, 0.3105,
0.3399

 95.0022, 0.3131,
0.3214

Harmonies

Analogous

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



71.6715, 0.3748, 0.4898



71.6715, 0.2923, 0.4731



71.6715, 0.2198, 0.3929

Triad

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



71.6715, 0.2923, 0.4731



71.6715, 0.1853, 0.2027



71.6715, 0.4705, 0.3283

Complementary

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



71.6715, 0.2923, 0.4731



36.0520, 0.3463, 0.2201

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.



71.6715, 0.4041, 0.2710



71.6715, 0.2923, 0.4731



71.6715, 0.2353, 0.2023

Square

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



71.6715, 0.2923, 0.4731



71.6715, 0.1654, 0.2327



71.6715, 0.3138, 0.2265



71.6715, 0.4839, 0.3907

Rectangle

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



71.6715, 0.2923, 0.4731



71.6715, 0.1869, 0.3278



71.6715, 0.3138, 0.2265



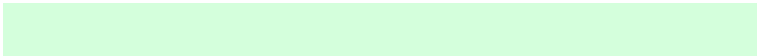
71.6715, 0.4534, 0.3083

Sweetspot

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



71.6745, 0.2923, 0.4731



90.6588, 0.3056, 0.3655



82.8035, 0.3729, 0.4716



19.1988, 0.3048, 0.3704



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.



71.6745, 0.2923, 0.4731



74.7441, 0.2906, 0.5080



74.2917, 0.2605, 0.3808



18.5273, 0.3088, 0.3484



35.3209, 0.2943, 0.5794



3.1185, 0.2882, 0.5574

Inverse Universe

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



36.0520, 0.3463, 0.2201



32.7983, 0.3557, 0.2034



33.1734, 0.4276, 0.2864



16.7069, 0.3169, 0.3104



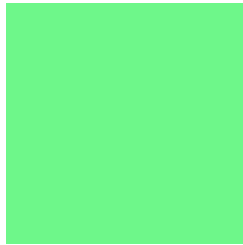
12.6011, 0.3804, 0.1869



1.1218, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 71.6715, 0.2923, 0.4731 looks on a white background.

Color Contrast Check

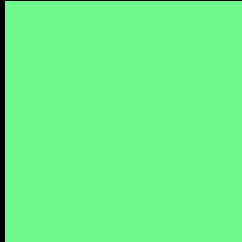
Large Text (above 18pt) WCAG AA × Fail

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 71.6715, 0.2923, 0.4731 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

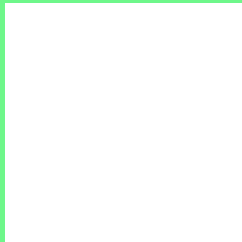
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6715, 0.2923, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 71.6715, 0.2923, 0.4731.

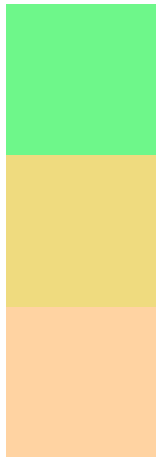


This preview shows how white text looks on a background with the Yxy color 71.6715, 0.2923, 0.4731.

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

71.6715, 0.2923, 0.4731

Protanopia

70.5461, 0.3911, 0.4260

Deuteranopia

70.4572, 0.3829, 0.3797



Tritanopia

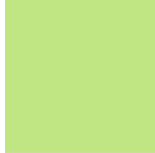
71.4265, 0.2482, 0.3067

Trichromacy



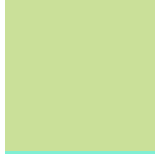
Original Color

71.6715, 0.2923, 0.4731



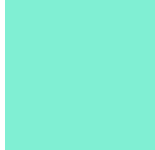
Protanomaly

68.8838, 0.3482, 0.4454



Deuteranomaly

68.1678, 0.3435, 0.4126



Tritanomaly

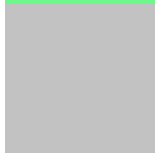
71.0253, 0.2640, 0.3639

Monochromacy



Original Color

71.6715, 0.2923, 0.4731



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

58.4310, 0.3025, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6715, 0.2923, 0.4731 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(110, 247, 138)` looks like.

```
.text, #text, p{  
    color:rgb(110, 247, 138)  
}
```

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(110, 247, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 247, 138) }
```

Border

The CSS property to change the border of an element to Yxy 71.6715, 0.2923, 0.4731 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(110, 247, 138) }
```

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

```
.border{ border-color:rgb(110, 247, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 247, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 247, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 247, 138);  
box-shadow:4px 4px 4px 4px rgb(110, 247,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6715, 0.2923, 0.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 247, 138) }
```

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

```
.background{ background-color: rgb(110,  
247, 138) }
```

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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