

Converting Colors

Yxy(69.5616, 0.3018, 0.4937)

Have a look what the booklet for
Yxy(69.5616, 0.3018, 0.4937)
contains.

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Color

Yxy(69.5681, 0.3016, 0.4931)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 71F478 |
| RGB | 113, 244, 120 |
| RGB Percent | 44%, 96%, 47% |
| CMY | 0.5569, 0.0431, 0.5293 |
| CMYK | 0.54, 0.00, 0.51, 0.04 |
| HSL | 123°, 86%, 70% |
| HSV | 123°, 54%, 96% |
| XYZ | 42.5507, 69.5681, 28.9644 |
| YIQ | 190.6950, -38.2720, -66.3360 |

Conversions

Conversions Part 2

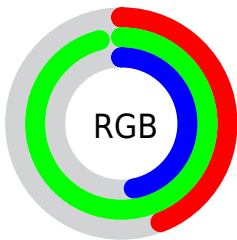
| Format | Color |
|-------------------------------------|--|
| RYB | 113, 237, 244 |
| Decimal | 7468152 |
| CIELab | 86.78, -60.54, 48.59 |
| CIELCh | 87, 77.628, 141.251 |
| Yxy | 69.5681, 0.3016, 0.4931 |
| Android (android.graphics.Color) | 4285658232 (0xFF71F478) |
| YUV | 190.6950, -34.8526, -68.1385 |
| Hunter-Lab | 83.4075, -54.9006, 37.7960 |

Details

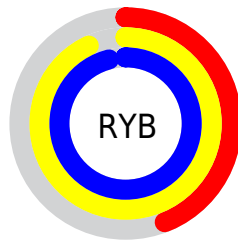
The Yxy color **69.5681, 0.3016, 0.4931** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.1523, 0.3253, 0.2066**, and the grayscale version is **52.1373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4602, 0.3077, 0.4235**, and **36.4814, 0.2932, 0.5396** is the 20% darker color. If you saturate the color by 10%, you get **67.6698, 0.3001, 0.5263**, and if you desaturate by 10%, it is **72.0422, 0.3035, 0.4584**.

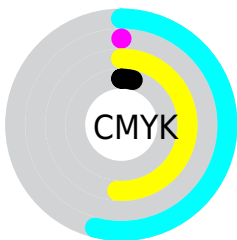
Distribution



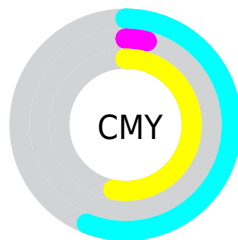
- Red (44%)
- Green (96%)
- Blue (47%)



- Red (44%)
- Yellow (93%)
- Blue (96%)



- Cyan (54%)
- Magenta (0%)
- Yellow (51%)
- Black (4%)





- Cyan (56%)
- Magenta (4%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5681, 0.3016, 0.4931 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 69.5681, 0.3016, 0.4931 by changing the saturation by 10% instead.

 69.5681, 0.3016,
0.4931


 69.5681, 0.3016,
0.4931


459.0321, 0.3111,
0.4106


 51.1745, 0.2981,
0.5132


 118.5926, 0.3059,
0.4633

 36.3475, 0.2931,
0.5386


 149.9924, 0.3073,
0.4521

 24.7027, 0.2854,
0.5714


 186.4963, 0.3083,
0.4425

 15.8557, 0.2733,
0.6147

228.4887, 0.3091,
0.4343

 9.4221, 0.2528,
0.6730

276.3541, 0.3098,
0.4272

 5.0175, 0.2236,
0.7764

330.4769, 0.3103,

 2.2575, 0.1132,

0.4210

0.8868

391.2414, 0.3107,
0.4155

0.7511, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.5681, 0.3016,
0.4931

69.5681, 0.3016,
0.4931

67.6698, 0.3001,
0.5263

72.0422, 0.3035,
0.4584

66.2931, 0.2992,
0.5554


75.1242, 0.3056,
0.4243

65.3883, 0.2988,
0.5779

78.8538, 0.3078,
0.3923

64.8916, 0.2991,
0.5925

83.2651, 0.3100,
0.3633

 64.7339, 0.2993,
0.5976

 88.3897, 0.3120,
0.3377

 93.1845, 0.3132,
0.3185

Harmonies

Analogous

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



69.5681, 0.3891, 0.4984



69.5681, 0.3016, 0.4931



69.5681, 0.2218, 0.4128

Triad

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



69.5681, 0.3016, 0.4931



69.5681, 0.1725, 0.1968



69.5681, 0.4758, 0.3180

Complementary

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



69.5681, 0.3016, 0.4931



37.1523, 0.3253, 0.2066

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.



69.5681, 0.3980, 0.2593



69.5681, 0.3016, 0.4931



69.5681, 0.2205, 0.1929

Square

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



69.5681, 0.3016, 0.4931



69.5681, 0.1560, 0.2325



69.5681, 0.3003, 0.2151



69.5681, 0.4977, 0.3832

Rectangle

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



69.5681, 0.3016, 0.4931



69.5681, 0.1841, 0.3410



69.5681, 0.3003, 0.2151



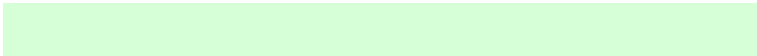
69.5681, 0.4549, 0.2974

Sweetspot

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



69.5710, 0.3016, 0.4931



90.8246, 0.3095, 0.3698



83.9792, 0.3858, 0.4601



19.2194, 0.3090, 0.3757



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.



69.5710, 0.3016, 0.4931



74.7164, 0.3000, 0.5277



71.7188, 0.2709, 0.4055



18.4865, 0.3108, 0.3521



35.2030, 0.2991, 0.5967



3.0990, 0.2967, 0.5882

Inverse Universe

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



37.1523, 0.3253, 0.2066



35.5469, 0.3279, 0.1888



34.0169, 0.3971, 0.2667



16.7520, 0.3146, 0.3069



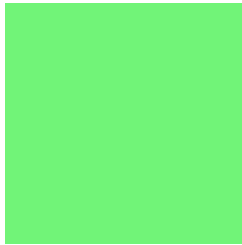
13.5977, 0.3349, 0.1618



1.1997, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 69.5681, 0.3016, 0.4931 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 69.5681, 0.3016, 0.4931 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

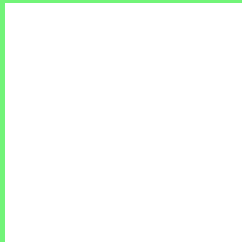
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.5681, 0.3016, 0.4931

Background



This preview shows how black text looks on a background with the Yxy color 69.5681, 0.3016, 0.4931.

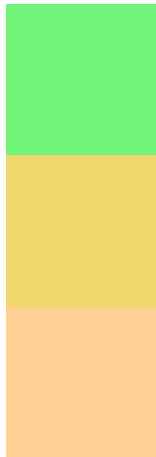


This preview shows how white text looks on a background with the Yxy color 69.5681, 0.3016, 0.4931.

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

69.5681, 0.3016, 0.4931

Protanopia

68.4147, 0.4022, 0.4394

Deuteranopia

67.9922, 0.3957, 0.3910



Tritanopia

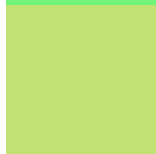
69.1217, 0.2510, 0.3076

Trichromacy



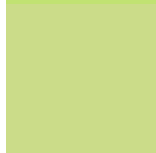
Original Color

69.5681, 0.3016, 0.4931



Protanomaly

66.9451, 0.3595, 0.4609



Deuteranomaly

65.6891, 0.3557, 0.4269



Tritanomaly

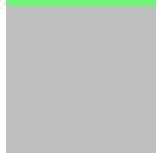
68.4590, 0.2697, 0.3722

Monochromacy



Original Color

69.5681, 0.3016, 0.4931



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

56.5963, 0.3085, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5681, 0.3016, 0.4931 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(113, 244, 120)` looks like.

```
.text, #text, p{  
    color:rgb(113, 244, 120)  
}
```

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(113, 244, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 244, 120) }
```

Border

The CSS property to change the border of an element to Yxy 69.5681, 0.3016, 0.4931 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(113, 244, 120) }
```

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

```
.border{ border-color:rgb(113, 244, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 244, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 244, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 244, 120);  
box-shadow:4px 4px 4px 4px rgb(113, 244,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5681, 0.3016, 0.4931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 244, 120) }
```

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

```
.background{ background-color: rgb(113,  
244, 120) }
```

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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