

Converting Colors

Yxy(70.4461, 0.3164, 0.4646)

Have a look what the booklet for
Yxy(70.4461, 0.3164, 0.4646)
contains.

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Color

Yxy(70.4977, 0.3161, 0.4646)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 96F085 |
| RGB | 150, 240, 133 |
| RGB Percent | 59%, 94%, 52% |
| CMY | 0.4120, 0.0588, 0.4783 |
| CMYK | 0.38, 0.00, 0.45, 0.06 |
| HSL | 111°, 78%, 73% |
| HSV | 111°, 45%, 94% |
| XYZ | 47.9645, 70.4977, 33.2762 |
| YIQ | 200.8920, -19.2930, -52.3570 |

Conversions

Conversions Part 2

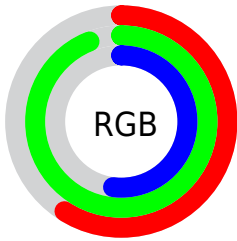
| Format | Color |
|-------------------------------------|--|
| RYB | 133, 240, 223 |
| Decimal | 9891973 |
| CIELab | 87.24, -46.93, 43.28 |
| CIElCh | 87, 63.841, 137.313 |
| Yxy | 70.4977, 0.3161, 0.4646 |
| Android (android.graphics.Color) | 4288082053 (0xFF96F085) |
| YUV | 200.8920, -33.4708, -44.6323 |
| Hunter-Lab | 83.9629, -44.9654, 35.2762 |

Details

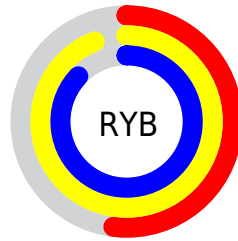
The Yxy color **70.4977, 0.3161, 0.4646** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.7754, 0.3025, 0.2149**, and the grayscale version is **58.5534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4162, 0.3209, 0.4021**, and **36.8407, 0.3132, 0.5008** is the 20% darker color. If you saturate the color by 10%, you get **68.1577, 0.3154, 0.4989**, and if you desaturate by 10%, it is **73.3257, 0.3161, 0.4303**.

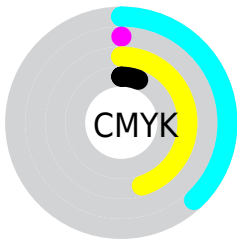
Distribution



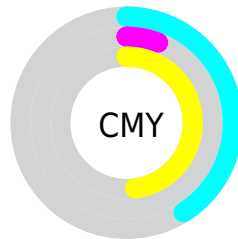
- Red (59%)
- Green (94%)
- Blue (52%)



- Red (52%)
- Yellow (94%)
- Blue (87%)



- Cyan (38%)
- Magenta (0%)
- Yellow (45%)
- Black (6%)



- Cyan (41%)
- Magenta (6%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4977, 0.3161, 0.4646 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 70.4977, 0.3161, 0.4646 by changing the saturation by 10% instead.


 70.4977, 0.3161,
0.4646

 70.4977, 0.3161,
0.4646


462.2956, 0.3175,
0.3975

 51.9324, 0.3149,
0.4808


 119.9182, 0.3173,
0.4405

 36.9512, 0.3129,
0.5012


 151.5422, 0.3175,
0.4314

 25.1697, 0.3094,
0.5275


 188.2879, 0.3176,
0.4236

 16.2035, 0.3033,
0.5624

230.5397, 0.3177,
0.4169

 9.6683, 0.2919,
0.6101

278.6820, 0.3177,
0.4111

 5.1796, 0.2750,
0.6907


333.0991, 0.3176,

 2.3530, 0.2212,

0.4060

0.7788


394.1755, 0.3175,
0.4015


 0.8016, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.4977, 0.3161,
0.4646


 70.4977, 0.3161,
0.4646

 68.1577, 0.3154,
0.4989


 73.3257, 0.3161,
0.4303

 66.2693, 0.3140,
0.5311


 76.6579, 0.3155,
0.3976


 64.8052, 0.3118,
0.5587

 80.5208, 0.3145,
0.3675


 63.7314, 0.3089,
0.5796

 84.9363, 0.3133,
0.3404

 63.0080, 0.3056,
0.5925

 89.9252, 0.3120,
0.3164

 62.7394, 0.3040,
0.5968

 90.8080, 0.3134,
0.3146

Harmonies

Analogous

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



70.4977, 0.3890, 0.4665



70.4977, 0.3161, 0.4646



70.4977, 0.2462, 0.4072

Triad

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



70.4977, 0.3161, 0.4646



70.4977, 0.1901, 0.2202



70.4977, 0.4403, 0.3152

Complementary

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



70.4977, 0.3161, 0.4646



38.7754, 0.3025, 0.2149

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.



70.4977, 0.3730, 0.2649



70.4977, 0.3161, 0.4646



70.4977, 0.2287, 0.2122

Square

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



70.4977, 0.3161, 0.4646



70.4977, 0.1795, 0.2567



70.4977, 0.2934, 0.2285



70.4977, 0.4667, 0.3717

Rectangle

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



70.4977, 0.3161, 0.4646



70.4977, 0.2108, 0.3515



70.4977, 0.2934, 0.2285



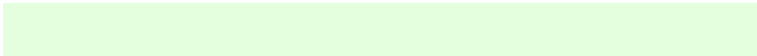
70.4977, 0.4212, 0.2973

Sweetspot

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



70.5007, 0.3161, 0.4646



93.1319, 0.3144, 0.3631



72.5606, 0.3866, 0.4228



19.7078, 0.3146, 0.3694



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.



70.5007, 0.3161, 0.4646



78.5549, 0.3156, 0.4942



70.1691, 0.2881, 0.4213



17.7764, 0.3139, 0.3532



34.3768, 0.3047, 0.5963



2.8953, 0.3120, 0.5904

Inverse Universe

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



38.7754, 0.3025, 0.2149



38.0458, 0.2996, 0.1946



39.6848, 0.3519, 0.2527



15.8975, 0.3113, 0.3056



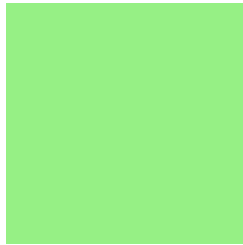
10.3692, 0.2812, 0.1323



0.8963, 0.2868, 0.1353

Previews

White Background



This preview shows how the Yxy color 70.4977, 0.3161, 0.4646 looks on a white background.

Color Contrast Check

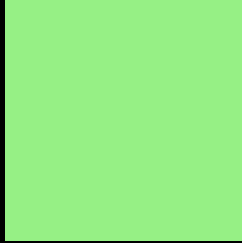
Large Text (above 18pt) WCAG AA × Fail

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 70.4977, 0.3161, 0.4646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

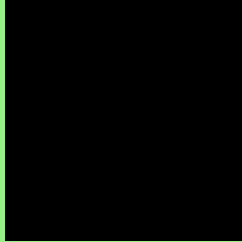
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4977, 0.3161, 0.4646

Background



This preview shows how black text looks on a background with the Yxy color 70.4977, 0.3161, 0.4646.



This preview shows how white text looks on a background with the Yxy color 70.4977, 0.3161, 0.4646.

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

70.4977, 0.3161, 0.4646

Protanopia

69.9742, 0.3928, 0.4270

Deuteranopia

69.2612, 0.3882, 0.3839



Tritanopia

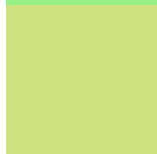
70.0768, 0.2663, 0.3083

Trichromacy



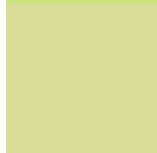
Original Color

70.4977, 0.3161, 0.4646



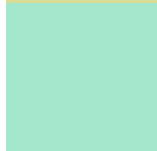
Protanomaly

69.2166, 0.3623, 0.4414



Deuteranomaly

68.0762, 0.3595, 0.4110



Tritanomaly

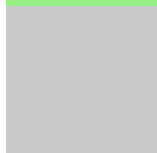
69.8594, 0.2851, 0.3630

Monochromacy



Original Color

70.4977, 0.3161, 0.4646



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.6806, 0.3148, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4977, 0.3161, 0.4646 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(150, 240, 133)` looks like.

```
.text, #text, p{  
    color:rgb(150, 240, 133)  
}
```

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(150, 240, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 240, 133) }
```

Border

The CSS property to change the border of an element to Yxy 70.4977, 0.3161, 0.4646 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(150, 240, 133) }
```

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

```
.border{ border-color:rgb(150, 240, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 240, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 240, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 240, 133);  
box-shadow:4px 4px 4px 4px rgb(150, 240,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4977, 0.3161, 0.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 240, 133) }
```

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

```
.background{ background-color: rgb(150,  
240, 133) }
```

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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