

Converting Colors

Yxy(78.3443, 0.3066, 0.4810)

Have a look what the booklet for
Yxy(78.3443, 0.3066, 0.4810)
contains.

Yxy(78.3644, 0.3066, 0.4807)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.3644, 0.3066, 0.4807)

Conversions

Conversions Part 1

Format	Color
Hex	87FF85
RGB	135, 255, 133
RGB Percent	53%, 100%, 52%
CMY	0.4706, 0.0000, 0.4785
CMYK	0.47, 0.00, 0.48, 0.00
HSL	119°, 100%, 76%
HSV	119°, 48%, 100%
XYZ	49.9824, 78.3644, 34.6747
YIQ	205.2120, -32.3580, -63.3820

Conversions

Conversions Part 2

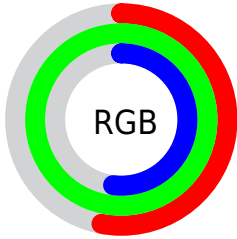
Format	Color
RYB	133, 255, 253
Decimal	8912773
CIELab	90.95, -57.39, 47.81
CIELCh	91, 74.699, 140.204
Yxy	78.3644, 0.3066, 0.4807
Android (android.graphics.Color)	4287102853 (0xFF87FF85)
YUV	205.2120, -35.6005, -61.5759
Hunter-Lab	88.5237, -54.1315, 38.7427

Details

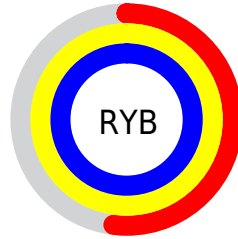
The Yxy color **78.3644, 0.3066, 0.4807** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.8729, 0.3164, 0.2121**, and the grayscale version is **61.4341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6202, 0.3128, 0.4039**, and **41.9675, 0.3007, 0.5206** is the 20% darker color. If you saturate the color by 10%, you get **75.9006, 0.3050, 0.5160**, and if you desaturate by 10%, it is **81.4858, 0.3082, 0.4446**.

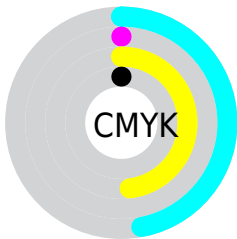
Distribution



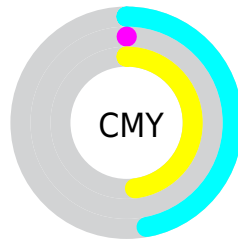
- Red (53%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (99%)



- Cyan (47%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3644, 0.3066, 0.4807 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 78.3644, 0.3066, 0.4807 by changing the saturation by 10% instead.


 78.3644, 0.3066,
0.4807

 78.3644, 0.3066,
0.4807


489.4035, 0.3130,
0.4063


 58.3734, 0.3041,
0.4984


 131.0637, 0.3096,
0.4542

 42.1089, 0.3005,
0.5205


 164.5407, 0.3106,
0.4441

 29.1866, 0.2949,
0.5487


 203.2819, 0.3113,
0.4355

 19.2220, 0.2862,
0.5856

247.6716, 0.3118,
0.4281

 11.8308, 0.2715,
0.6351

298.0942, 0.3123,
0.4216

 6.6286, 0.2482,
0.7103


354.9341, 0.3126,


 3.2309, 0.1990,


0.4159

0.8010


418.5758, 0.3128,
0.4108


 1.2534, 0.0000,
1.0000


 0.1047, 0.0000,
1.0000


 78.3644, 0.3066,
0.4807

 78.3644, 0.3066,
0.4807


 75.9006, 0.3050,
0.5160


 81.4858, 0.3082,
0.4446


 74.0519, 0.3034,
0.5478

 85.3128, 0.3096,
0.4098

 72.7629, 0.3020,
0.5733

 89.8829, 0.3109,
0.3778

 71.9702, 0.3009,
0.5903

 95.2325, 0.3120,
0.3491

■ 71.5938, 0.3003,
0.5987

100.0000, 0.3127,
0.3290

■ 71.5470, 0.3002,
0.5998

Harmonies

Analogous

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



78.3644, 0.3884, 0.4857



78.3644, 0.3066, 0.4807



78.3644, 0.2309, 0.4094

Triad

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



78.3644, 0.3066, 0.4807



78.3644, 0.1800, 0.2059



78.3644, 0.4620, 0.3178

Complementary

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



78.3644, 0.3066, 0.4807



44.8729, 0.3164, 0.2121

Split Complementary

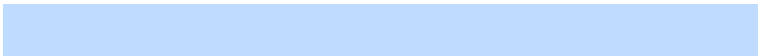
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3644, 0.3888, 0.2623



78.3644, 0.3066, 0.4807



78.3644, 0.2246, 0.2007

Square

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



78.3644, 0.3066, 0.4807



78.3644, 0.1653, 0.2416



78.3644, 0.2986, 0.2209



78.3644, 0.4852, 0.3797

Rectangle

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



78.3644, 0.3066, 0.4807



78.3644, 0.1943, 0.3442



78.3644, 0.2986, 0.2209



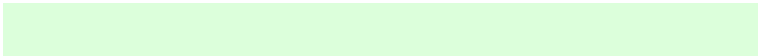
78.3644, 0.4420, 0.2983

Sweetspot

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



78.3627, 0.3066, 0.4807



91.8481, 0.3113, 0.3663



93.1823, 0.3843, 0.4444



19.4204, 0.3111, 0.3727



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.



78.3627, 0.3066, 0.4807



76.0852, 0.3051, 0.5131



80.3091, 0.2779, 0.4062



20.1823, 0.3118, 0.3536



37.3910, 0.3003, 0.5997



3.6454, 0.3011, 0.5991

Inverse Universe

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



44.8729, 0.3164, 0.2121



39.1071, 0.3169, 0.1937



42.0173, 0.3752, 0.2646



18.2843, 0.3135, 0.3056



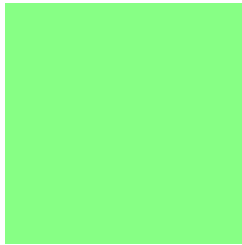
14.4783, 0.3168, 0.1519



1.4144, 0.3173, 0.1522

Previews

White Background



This preview shows how the Yxy color 78.3644, 0.3066, 0.4807 looks on a white background.

Color Contrast Check

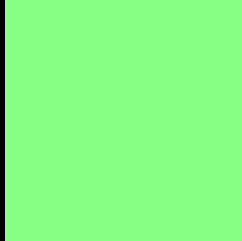
Large Text (above 18pt) WCAG AA × Fail

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 78.3644, 0.3066, 0.4807 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

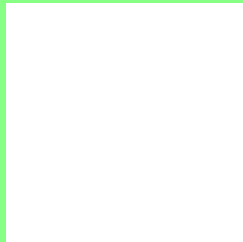
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3644, 0.3066, 0.4807

Background



This preview shows how black text looks on a background with the Yxy color 78.3644, 0.3066, 0.4807.



This preview shows how white text looks on a background with the Yxy color 78.3644, 0.3066, 0.4807.

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

78.3644, 0.3066, 0.4807

Protanopia

77.2409, 0.3976, 0.4342

Deuteranopia

77.0477, 0.3620, 0.3659



Tritanopia

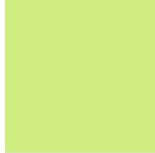
78.0670, 0.2655, 0.3112

Trichromacy



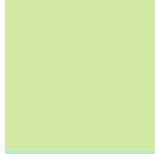
Original Color

78.3644, 0.3066, 0.4807



Protanomaly

76.0913, 0.3594, 0.4527



Deuteranomaly

75.4845, 0.3391, 0.4047



Tritanomaly

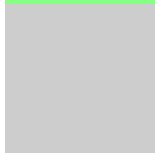
77.4815, 0.2807, 0.3692

Monochromacy



Original Color

78.3644, 0.3066, 0.4807



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.7333, 0.3109, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3644, 0.3066, 0.4807 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(135, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 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(135, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 133) }
```

Border

The CSS property to change the border of an element to Yxy 78.3644, 0.3066, 0.4807 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(135, 255, 133) }
```

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

```
.border{ border-color:rgb(135, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3644, 0.3066, 0.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 133) }
```

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

```
.background{ background-color: rgb(135,  
255, 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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