

Converting Colors

$Yxy(78.1578, 0.3055, 0.4816)$

Have a look what the booklet for
Yxy(78.1578, 0.3055, 0.4816)
contains.

Yxy(78.2000, 0.3056, 0.4811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.2000, 0.3056, 0.4811)

Conversions

Conversions Part 1

Format	Color
Hex	85FF85
RGB	133, 255, 133
RGB Percent	52%, 100%, 52%
CMY	0.4782, 0.0000, 0.4784
CMYK	0.48, 0.00, 0.48, 0.00
HSL	120°, 100%, 76%
HSV	120°, 48%, 100%
XYZ	49.6735, 78.2000, 34.6707
YIQ	204.6140, -33.5500, -63.8060

Conversions

Conversions Part 2

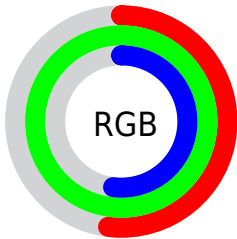
Format	Color
RYB	133, 255, 255
Decimal	8781701
CIELab	90.87, -57.90, 47.69
CIElCh	91, 75.014, 140.527
Yxy	78.2000, 0.3056, 0.4811
Android (android.graphics.Color)	4286971781 (0xFF85FF85)
YUV	204.6140, -35.3057, -62.8055
Hunter-Lab	88.4308, -54.4865, 38.6560

Details

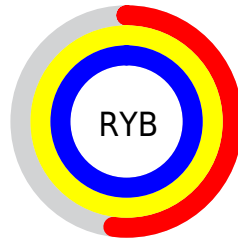
The Yxy color **78.2000, 0.3056, 0.4811** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **45.2511, 0.3181, 0.2128**, and the grayscale version is **61.0473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3573, 0.3116, 0.4042**, and **41.8513, 0.2992, 0.5214** is the 20% darker color. If you saturate the color by 10%, you get **75.7516, 0.3039, 0.5166**, and if you desaturate by 10%, it is **81.3294, 0.3073, 0.4448**.

Distribution



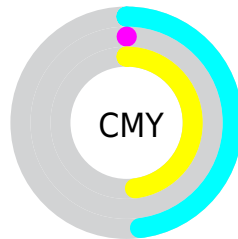
- Red (52%)
- Green (100%)
- Blue (52%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2000, 0.3056, 0.4811 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 78.2000, 0.3056, 0.4811 by changing the saturation by 10% instead.


 78.2000, 0.3056,
0.4811


 78.2000, 0.3056,
0.4811


488.8458, 0.3125,
0.4065


 58.2383, 0.3030,
0.4989


 130.8320, 0.3088,
0.4545

 42.0002, 0.2992,
0.5211


 164.2711, 0.3098,
0.4444

 29.1015, 0.2935,
0.5495


 202.9715, 0.3106,
0.4357

 19.1576, 0.2845,
0.5867

247.3175, 0.3112,
0.4283

 11.7842, 0.2696,
0.6365

297.6935, 0.3116,
0.4217

 6.5969, 0.2458,
0.7124


354.4840, 0.3120,


 3.2113, 0.1959,


0.4160


0.8041


418.0733, 0.3123,
0.4110


 1.2430, 0.0000,
1.0000


 0.0964, 0.0000,
1.0000


 78.2000, 0.3056,
0.4811


 78.2000, 0.3056,
0.4811


 75.7516, 0.3039,
0.5166


 81.3294, 0.3073,
0.4448


 73.9249, 0.3024,
0.5484

 85.1747, 0.3089,
0.4099

 72.6666, 0.3012,
0.5738

 89.7800, 0.3104,
0.3778

 71.9101, 0.3004,
0.5907

 95.1831, 0.3118,
0.3490

■ 71.5666, 0.3001,
0.5988

99.9984, 0.3127,
0.3290

■ 71.5189, 0.3000,
0.6000

Harmonies

Analogous

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



78.2000, 0.3878, 0.4867



78.2000, 0.3056, 0.4811



78.2000, 0.2298, 0.4088

Triad

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



78.2000, 0.3056, 0.4811



78.2000, 0.1798, 0.2052



78.2000, 0.4632, 0.3184

Complementary

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



78.2000, 0.3056, 0.4811



45.2511, 0.3181, 0.2128

Split Complementary

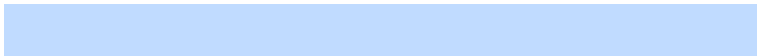
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2000, 0.3902, 0.2626



78.2000, 0.3056, 0.4811



78.2000, 0.2249, 0.2003

Square

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



78.2000, 0.3056, 0.4811



78.2000, 0.1648, 0.2406



78.2000, 0.2995, 0.2209



78.2000, 0.4860, 0.3805

Rectangle

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



78.2000, 0.3056, 0.4811



78.2000, 0.1933, 0.3432



78.2000, 0.2995, 0.2209



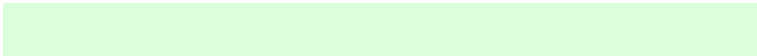
78.2000, 0.4433, 0.2987

Sweetspot

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



78.2033, 0.3056, 0.4811



91.7587, 0.3110, 0.3663



93.1815, 0.3843, 0.4443



19.3991, 0.3107, 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.



78.2033, 0.3056, 0.4811



75.9338, 0.3041, 0.5137



80.3108, 0.2779, 0.4062



20.1685, 0.3116, 0.3536



37.3711, 0.3000, 0.6000



3.6388, 0.3000, 0.6000

Inverse Universe

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



45.2511, 0.3181, 0.2128



39.5475, 0.3190, 0.1946



42.0261, 0.3752, 0.2646



18.3001, 0.3138, 0.3056



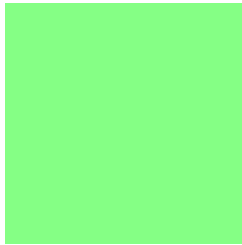
14.8733, 0.3208, 0.1541



1.4483, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 78.2000, 0.3056, 0.4811 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 78.2000, 0.3056, 0.4811 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

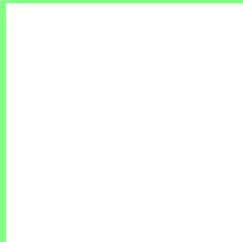
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2000, 0.3056, 0.4811

Background



This preview shows how black text looks on a background with the Yxy color 78.2000, 0.3056, 0.4811.

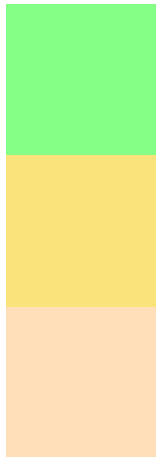


This preview shows how white text looks on a background with the Yxy color 78.2000, 0.3056, 0.4811.

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

78.2000, 0.3056, 0.4811

Protanopia

76.6922, 0.3982, 0.4333

Deuteranopia

77.0477, 0.3620, 0.3659



Tritanopia

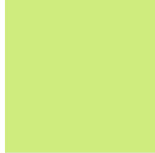
77.8372, 0.2645, 0.3112

Trichromacy



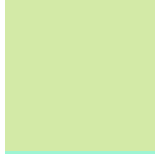
Original Color

78.2000, 0.3056, 0.4811



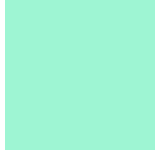
Protanomaly

75.3661, 0.3590, 0.4521



Deuteranomaly

75.4845, 0.3391, 0.4047



Tritanomaly

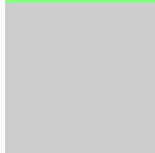
77.2771, 0.2796, 0.3693

Monochromacy



Original Color

78.2000, 0.3056, 0.4811



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6137, 0.3102, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2000, 0.3056, 0.4811 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(133, 255, 133)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 78.2000, 0.3056, 0.4811 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(133, 255, 133) }
```

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

```
.border{ border-color:rgb(133, 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(133, 255, 133)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 78.2000, 0.3056, 0.4811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(133,  
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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