

Converting Colors

Yxy(78.2144, 0.3230, 0.5127)

Have a look what the booklet for
Yxy(78.2144, 0.3230, 0.5127)
contains.

Yxy(78.2301, 0.3231, 0.5126)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.2301, 0.3231, 0.5126)

Conversions

Conversions Part 1

Format	Color
Hex	8EFF66
RGB	142, 255, 102
RGB Percent	56%, 100%, 40%
CMY	0.4433, 0.0000, 0.5999
CMYK	0.44, 0.00, 0.60, 0.00
HSL	104°, 100%, 70%
HSV	104°, 60%, 100%
XYZ	49.3097, 78.2301, 25.0745
YIQ	203.7710, -18.2350, -71.5390

Conversions

Conversions Part 2

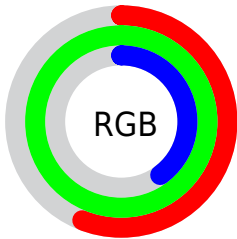
Format	Color
RYB	102, 255, 215
Decimal	9371494
CIELab	90.88, -58.95, 61.69
CIElCh	91, 85.330, 133.696
Yxy	78.2301, 0.3231, 0.5126
Android (android.graphics.Color)	4287561574 (0xFF8EFF66)
YUV	203.7710, -50.1731, -54.1732
Hunter-Lab	88.4478, -55.2698, 45.1050

Details

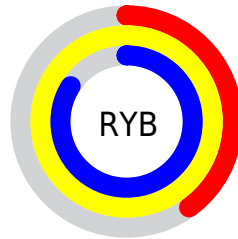
The Yxy color **78.2301, 0.3231, 0.5126** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **31.1808, 0.2825, 0.1733**, and the grayscale version is **60.5567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5452, 0.3341, 0.4362**, and **41.8713, 0.3177, 0.5582** is the 20% darker color. If you saturate the color by 10%, you get **76.2692, 0.3215, 0.5417**, and if you desaturate by 10%, it is **80.6228, 0.3234, 0.4803**.

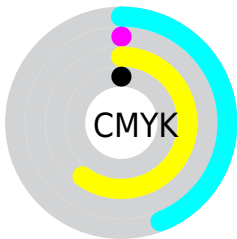
Distribution



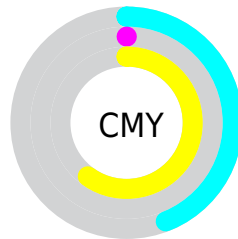
- Red (56%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2301, 0.3231, 0.5126 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 78.2301, 0.3231, 0.5126 by changing the saturation by 10% instead.


 78.2301, 0.3231,
0.5126


 78.2301, 0.3231,
0.5126


488.9479, 0.3242,
0.4233

 58.2630, 0.3211,
0.5333


 130.8744, 0.3249,
0.4812

 42.0201, 0.3176,
0.5586

 164.3205, 0.3251,
0.4691

 29.1171, 0.3117,
0.5901


 203.0283, 0.3252,
0.4587

 19.1694, 0.3013,
0.6297

 247.3823, 0.3251,
0.4497

 11.7927, 0.2836,
0.6809

297.7669, 0.3249,
0.4418

 6.6027, 0.2525,
0.7475


354.5664, 0.3247,


 3.2149, 0.1909,


0.4349


0.8091


418.1653, 0.3245,
0.4288


 1.2449, 0.0000,
1.0000


 0.0980, 0.0000,
1.0000


 78.2301, 0.3231,
0.5126

 78.2301, 0.3231,
0.5126


 76.2692, 0.3215,
0.5417


 80.6228, 0.3234,
0.4803


 74.7192, 0.3186,
0.5654


 83.4815, 0.3225,
0.4469


 73.5445, 0.3145,
0.5822

 86.8275, 0.3208,
0.4141

 72.6993, 0.3099,
0.5921

 90.6828, 0.3184,
0.3831

 72.6988, 0.3099,
0.5921

 95.0682, 0.3157,
0.3546

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.2301, 0.4129, 0.4970



78.2301, 0.3231, 0.5126



78.2301, 0.2353, 0.4454

Triad

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



78.2301, 0.3231, 0.5126



78.2301, 0.1591, 0.1964



78.2301, 0.4689, 0.3003

Complementary

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



78.2301, 0.3231, 0.5126



31.1808, 0.2825, 0.1733

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.



78.2301, 0.3765, 0.2425



78.2301, 0.3231, 0.5126



78.2301, 0.2002, 0.1852

Square

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



78.2301, 0.3231, 0.5126



78.2301, 0.1498, 0.2427



78.2301, 0.2754, 0.2019



78.2301, 0.5079, 0.3665

Rectangle

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



78.2301, 0.3231, 0.5126



78.2301, 0.1904, 0.3698



78.2301, 0.2754, 0.2019



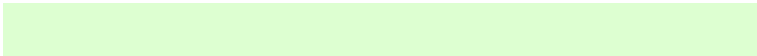
78.2301, 0.4422, 0.2797

Sweetspot

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



78.2274, 0.3231, 0.5126



91.5141, 0.3179, 0.3772



70.4163, 0.4214, 0.4380



19.3296, 0.3186, 0.3858



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.



78.2274, 0.3231, 0.5126



75.9264, 0.3210, 0.5469



76.1724, 0.2895, 0.4815



20.3974, 0.3155, 0.3533



38.0474, 0.3108, 0.5914



3.7546, 0.3186, 0.5852

Inverse Universe

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



31.1808, 0.2825, 0.1733



25.0510, 0.2740, 0.1490



35.8965, 0.3548, 0.2165



18.0477, 0.3096, 0.3053



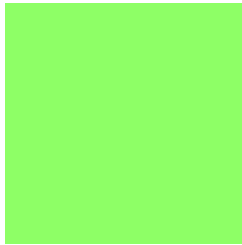
9.4624, 0.2555, 0.1181



0.9741, 0.2632, 0.1224

Previews

White Background



This preview shows how the Yxy color 78.2301, 0.3231, 0.5126 looks on a white background.

Color Contrast Check

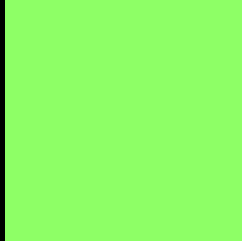
Large Text (above 18pt) WCAG AA × Fail

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 78.2301, 0.3231, 0.5126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

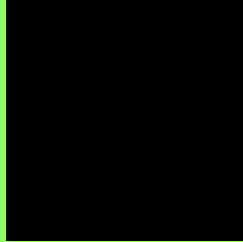
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

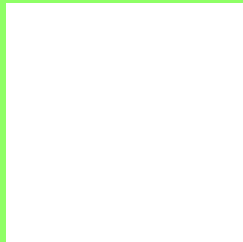
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2301, 0.3231, 0.5126

Background



This preview shows how black text looks on a background with the Yxy color 78.2301, 0.3231, 0.5126.



This preview shows how white text looks on a background with the Yxy color 78.2301, 0.3231, 0.5126.

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

78.2301, 0.3231, 0.5126

Protanopia

77.1776, 0.4152, 0.4560

Deuteranopia

76.8800, 0.3648, 0.3700



Tritanopia

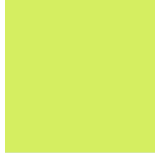
77.7162, 0.2664, 0.3102

Trichromacy



Original Color

78.2301, 0.3231, 0.5126



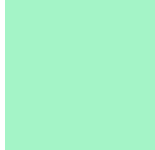
Protanomaly

76.1583, 0.3780, 0.4785



Deuteranomaly

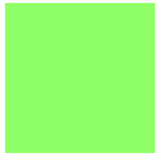
75.4417, 0.3500, 0.4198



Tritanomaly

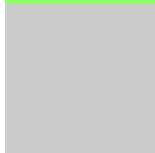
76.7174, 0.2892, 0.3827

Monochromacy



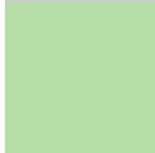
Original Color

78.2301, 0.3231, 0.5126



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3891, 0.3192, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2301, 0.3231, 0.5126 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(142, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 102)  
}
```

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(142, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 78.2301, 0.3231, 0.5126 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(142, 255, 102) }
```

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

```
.border{ border-color:rgb(142, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2301, 0.3231, 0.5126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 102) }
```

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

```
.background{ background-color: rgb(142,  
255, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor