

Converting Colors

$Yxy(78.2997, 0.2872, 0.4464)$

Have a look what the booklet for
Yxy(78.2997, 0.2872, 0.4464)
contains.

Yxy(78.2662, 0.2871, 0.4467)	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(78.2662, 0.2871, 0.4467)

Conversions

Conversions Part 1

Format	Color
Hex	7AFFA2
RGB	122, 255, 162
RGB Percent	48%, 100%, 64%
CMY	0.5218, 0.0000, 0.3647
CMYK	0.52, 0.00, 0.36, 0.00
HSL	138°, 100%, 74%
HSV	138°, 52%, 100%
XYZ	50.3027, 78.2662, 46.6408
YIQ	204.6310, -49.4150, -57.1190

Conversions

Conversions Part 2

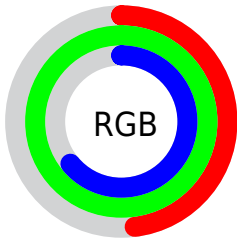
Format	Color
RYB	122, 224, 255
Decimal	8060834
CIELab	90.90, -56.34, 33.55
CIElCh	91, 65.573, 149.228
Yxy	78.2662, 0.2871, 0.4467
Android (android.graphics.Color)	4286250914 (0xFF7AFFA2)
YUV	204.6310, -21.0171, -72.4674
Hunter-Lab	88.4682, -53.3248, 30.6698

Details

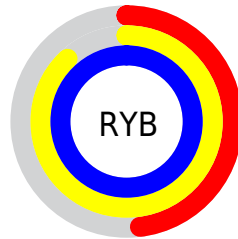
The Yxy color **78.2662, 0.2871, 0.4467** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **40.0705, 0.3570, 0.2367**, and the grayscale version is **60.9535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4748, 0.2902, 0.3714**, and **41.9065, 0.2787, 0.4784** is the 20% darker color. If you saturate the color by 10%, you get **76.0507, 0.2847, 0.4739**, and if you desaturate by 10%, it is **81.0533, 0.2908, 0.4201**.

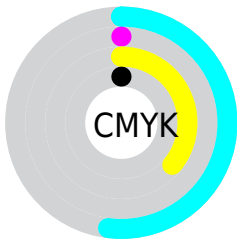
Distribution



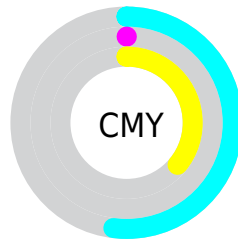
- Red (48%)
- Green (100%)
- Blue (64%)



- Red (48%)
- Yellow (88%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2662, 0.2871, 0.4467 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 78.2662, 0.2871, 0.4467 by changing the saturation by 10% instead.

 78.2662, 0.2871,
0.4467


 78.2662, 0.2871,
0.4467


489.0704, 0.3009,
0.3891


 58.2927, 0.2834,
0.4606


 130.9253, 0.2923,
0.4261

 42.0440, 0.2786,
0.4780


 164.3797, 0.2942,
0.4183

 29.1357, 0.2721,
0.5007


 203.0965, 0.2958,
0.4116

 19.1835, 0.2629,
0.5309

247.4601, 0.2971,
0.4058

 11.8030, 0.2490,
0.5732

297.8549, 0.2983,
0.4008

 6.6097, 0.2265,
0.6350

354.6653, 0.2993,


 3.2192, 0.1954,


0.3964


0.7634


418.2756, 0.3002,
0.3925


 1.2472, 0.0000,
1.0000


 0.0998, 0.0000,
1.0000


 78.2662, 0.2871,
0.4467


 78.2662, 0.2871,
0.4467


 76.0507, 0.2847,
0.4739


 81.0533, 0.2908,
0.4201


 74.3735, 0.2838,
0.5008


 84.4600, 0.2953,
0.3951


 73.1824, 0.2846,
0.5259

 88.5180, 0.3005,
0.3720

 72.4187, 0.2870,
0.5480

 93.2598, 0.3059,
0.3512

 72.0526, 0.2896,
0.5626

 98.7155, 0.3115,
0.3327

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.



78.2662, 0.3608, 0.4711



78.2662, 0.2871, 0.4467



78.2662, 0.2244, 0.3741

Triad

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



78.2662, 0.2871, 0.4467



78.2662, 0.2029, 0.2147



78.2662, 0.4555, 0.3373

Complementary

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



78.2662, 0.2871, 0.4467



40.0705, 0.3570, 0.2367

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.



78.2662, 0.4023, 0.2840



78.2662, 0.2871, 0.4467



78.2662, 0.2520, 0.2168

Square

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



78.2662, 0.2871, 0.4467



78.2662, 0.1812, 0.2392



78.2662, 0.3244, 0.2414



78.2662, 0.4624, 0.3940

Rectangle

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



78.2662, 0.2871, 0.4467



78.2662, 0.1967, 0.3190



78.2662, 0.3244, 0.2414



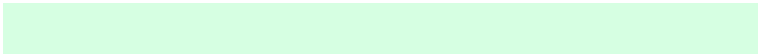
78.2662, 0.4423, 0.3188

Sweetspot

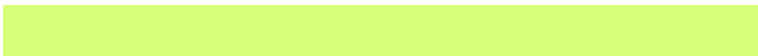
The Sweet Spot groups the original color and five complimentary colors.



78.2630, 0.2871, 0.4467



91.3638, 0.3038, 0.3589



87.3839, 0.3611, 0.4688



19.3463, 0.3027, 0.3632



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.



78.2630, 0.2871, 0.4467



75.8928, 0.2845, 0.4762



81.2772, 0.2566, 0.3605



20.2582, 0.3074, 0.3461



37.6720, 0.2888, 0.5597



3.6863, 0.2826, 0.5374

Inverse Universe

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



40.0705, 0.3570, 0.2367



33.8148, 0.3701, 0.2215



37.3231, 0.4337, 0.3021



18.2017, 0.3184, 0.3125



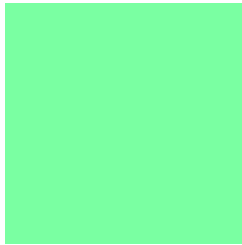
12.8208, 0.4153, 0.2061



1.2677, 0.4019, 0.1987

Previews

White Background



This preview shows how the Yxy color 78.2662, 0.2871, 0.4467 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 78.2662, 0.2871, 0.4467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

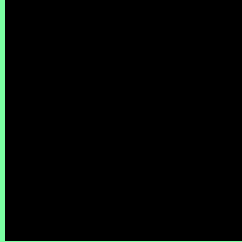
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

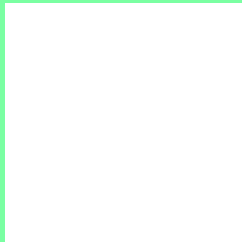
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2662, 0.2871, 0.4467

Background



This preview shows how black text looks on a background with the Yxy color 78.2662, 0.2871, 0.4467.

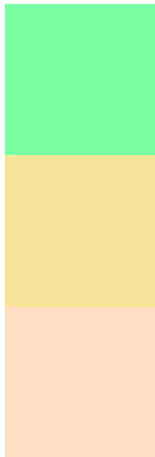


This preview shows how white text looks on a background with the Yxy color 78.2662, 0.2871, 0.4467.

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

78.2662, 0.2871, 0.4467

Protanopia

76.9467, 0.3784, 0.4077

Deuteranopia

76.7787, 0.3579, 0.3587



Tritanopia

77.3880, 0.2624, 0.3111

Trichromacy



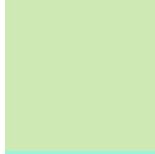
Original Color

78.2662, 0.2871, 0.4467



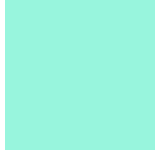
Protanomaly

75.4915, 0.3394, 0.4231



Deuteranomaly

74.8794, 0.3276, 0.3881



Tritanomaly

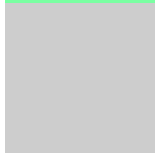
77.2007, 0.2715, 0.3573

Monochromacy



Original Color

78.2662, 0.2871, 0.4467



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.5634, 0.3012, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2662, 0.2871, 0.4467 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(122, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 162)  
}
```

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(122, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 162) }
```

Border

The CSS property to change the border of an element to Yxy 78.2662, 0.2871, 0.4467 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(122, 255, 162) }
```

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

```
.border{ border-color:rgb(122, 255, 162) }
```

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

Here you see how a box with a 4 pixel rgb(122, 255, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2662, 0.2871, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 162) }
```

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

```
.background{ background-color: rgb(122,  
255, 162) }
```

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