

Converting Colors

$Yxy(78.7181, 0.2866, 0.4400)$

Have a look what the booklet for
Yxy(78.7181, 0.2866, 0.4400)
contains.

Yxy(78.7456, 0.2866, 0.4396)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.7456, 0.2866, 0.4396)

Conversions

Conversions Part 1

Format	Color
Hex	7EFFA7
RGB	126, 255, 167
RGB Percent	49%, 100%, 65%
CMY	0.5059, 0.0000, 0.3451
CMYK	0.51, 0.00, 0.35, 0.00
HSL	139°, 100%, 75%
HSV	139°, 51%, 100%
XYZ	51.3387, 78.7456, 49.0458
YIQ	206.3970, -48.6360, -54.7160

Conversions

Conversions Part 2

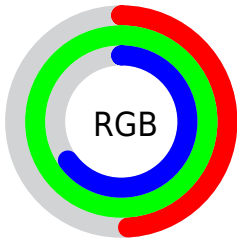
Format	Color
RYB	126, 224, 255
Decimal	8322983
CIELab	91.12, -54.52, 31.38
CIELCh	91, 62.906, 150.081
Yxy	78.7456, 0.2866, 0.4396
Android (android.graphics.Color)	4286513063 (0xFF7EFFA7)
YUV	206.3970, -19.4227, -70.5082
Hunter-Lab	88.7387, -52.0238, 29.3476

Details

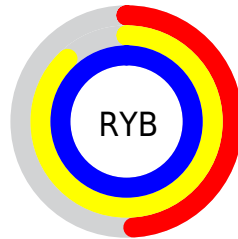
The Yxy color **78.7456, 0.2866, 0.4396** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **41.0395, 0.3574, 0.2411**, and the grayscale version is **62.1394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1620, 0.2888, 0.3643**, and **42.2042, 0.2784, 0.4689** is the 20% darker color. If you saturate the color by 10%, you get **76.4471, 0.2838, 0.4662**, and if you desaturate by 10%, it is **81.6249, 0.2906, 0.4139**.

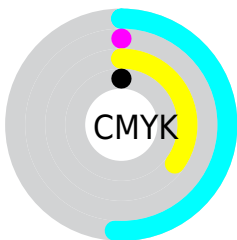
Distribution



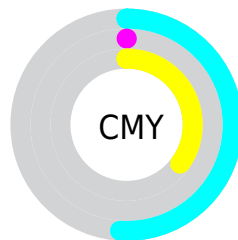
- Red (49%)
- Green (100%)
- Blue (65%)



- Red (49%)
- Yellow (88%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (51%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7456, 0.2866, 0.4396 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 78.7456, 0.2866, 0.4396 by changing the saturation by 10% instead.


 78.7456, 0.2866,
0.4396


 78.7456, 0.2866,
0.4396

490.6953, 0.3004,
0.3856


 58.6867, 0.2830,
0.4526


 131.6007, 0.2917,
0.4203

 42.3609, 0.2784,
0.4689


 165.1656, 0.2936,
0.4130

 29.3840, 0.2721,
0.4900


 204.0013, 0.2952,
0.4068

 19.3715, 0.2633,
0.5182

248.4921, 0.2966,
0.4014

 11.9390, 0.2502,
0.5577

299.0226, 0.2977,
0.3967

 6.7022, 0.2291,
0.6158


355.9770, 0.2987,


 3.2766, 0.1974,

0.3925


0.7248

419.7398, 0.2996,
0.3889


 1.2778, 0.0000,
1.0000

 0.1239, 0.0000,
1.0000


 78.7456, 0.2866,
0.4396


 78.7456, 0.2866,
0.4396


 76.4471, 0.2838,
0.4662

 81.6249, 0.2906,
0.4139


 74.6873, 0.2826,
0.4927


 85.1220, 0.2954,
0.3897

 73.4187, 0.2831,
0.5179

 89.2716, 0.3009,
0.3676

 72.5847, 0.2853,
0.5405

 94.1052, 0.3066,
0.3477

 72.1143, 0.2885,
0.5586

99.6525, 0.3124,
0.3300

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.



78.7456, 0.3574, 0.4650



78.7456, 0.2866, 0.4396



78.7456, 0.2266, 0.3700

Triad

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



78.7456, 0.2866, 0.4396



78.7456, 0.2079, 0.2186



78.7456, 0.4503, 0.3391

Complementary

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



78.7456, 0.2866, 0.4396



41.0395, 0.3574, 0.2411

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.



78.7456, 0.4005, 0.2872



78.7456, 0.2866, 0.4396



78.7456, 0.2563, 0.2211

Square

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



78.7456, 0.2866, 0.4396



78.7456, 0.1861, 0.2418



78.7456, 0.3263, 0.2456



78.7456, 0.4560, 0.3939

Rectangle

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



78.7456, 0.2866, 0.4396



78.7456, 0.2003, 0.3177



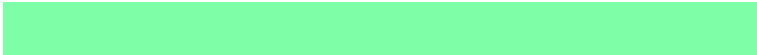
78.7456, 0.3263, 0.2456



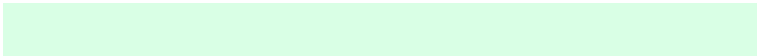
78.7456, 0.4381, 0.3212

Sweetspot

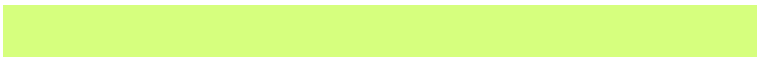
The Sweet Spot groups the original color and five complimentary colors.



78.7457, 0.2866, 0.4396



91.8851, 0.3040, 0.3562



87.3456, 0.3586, 0.4653



19.4506, 0.3028, 0.3604



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.



78.7457, 0.2866, 0.4396



76.3638, 0.2838, 0.4673



81.7455, 0.2568, 0.3568



20.2633, 0.3072, 0.3456



37.7051, 0.2877, 0.5557



3.6901, 0.2814, 0.5332

Inverse Universe

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



41.0395, 0.3574, 0.2411



34.7051, 0.3706, 0.2263



38.3744, 0.4306, 0.3050



18.1964, 0.3187, 0.3129



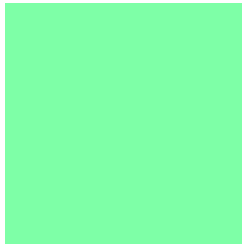
12.7337, 0.4216, 0.2096



1.2597, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 78.7456, 0.2866, 0.4396 looks on a white background.

Color Contrast Check

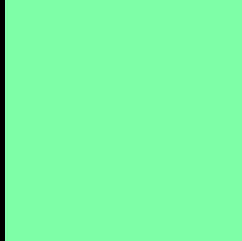
Large Text (above 18pt) WCAG AA × Fail

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 78.7456, 0.2866, 0.4396 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 78.7456, 0.2866, 0.4396

Background



This preview shows how black text looks on a background with the Yxy color 78.7456, 0.2866, 0.4396.

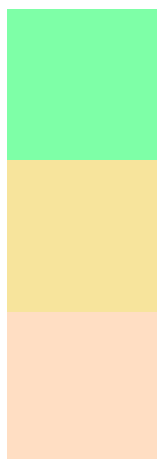


This preview shows how white text looks on a background with the Yxy color 78.7456, 0.2866, 0.4396.

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

78.7456, 0.2866, 0.4396

Protanopia

77.6613, 0.3747, 0.4036

Deuteranopia

77.4427, 0.3555, 0.3566



Tritanopia

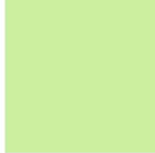
78.4244, 0.2646, 0.3123

Trichromacy



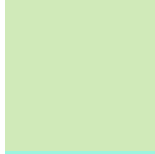
Original Color

78.7456, 0.2866, 0.4396



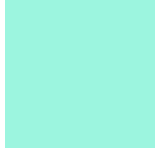
Protanomaly

76.3836, 0.3369, 0.4181



Deuteranomaly

75.7583, 0.3257, 0.3844



Tritanomaly

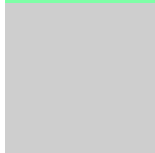
77.7004, 0.2725, 0.3547

Monochromacy



Original Color

78.7456, 0.2866, 0.4396



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.4642, 0.3007, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7456, 0.2866, 0.4396 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(126, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 167)  
}
```

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(126, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 167) }
```

Border

The CSS property to change the border of an element to Yxy 78.7456, 0.2866, 0.4396 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(126, 255, 167) }
```

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

```
.border{ border-color:rgb(126, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7456, 0.2866, 0.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 167) }
```

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

```
.background{ background-color: rgb(126,  
255, 167) }
```

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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