

Converting Colors

Yxy(106.3800, 0.2742, 0.4362)

Have a look what the booklet for
Yxy(106.3800, 0.2742, 0.4362)
contains.

Yxy(79.4488, 0.2687, 0.3996)	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(79.4488, 0.2687, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	76FFC6
RGB	118, 255, 198
RGB Percent	46%, 100%, 78%
CMY	0.5373, 0.0000, 0.2235
CMYK	0.54, 0.00, 0.22, 0.00
HSL	155°, 100%, 73%
HSV	155°, 54%, 100%
XYZ	53.4232, 79.4488, 65.9489
YIQ	207.5390, -63.3550, -46.7710

Conversions

Conversions Part 2

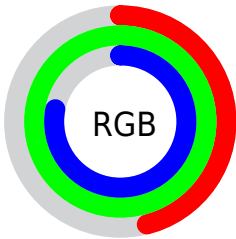
Format	Color
RYB	118, 204, 255
Decimal	7798726
CIELab	91.44, -50.45, 16.02
CIELCh	91, 52.936, 162.386
Yxy	79.4488, 0.2687, 0.3996
Android (android.graphics.Color)	4285988806 (0xFF76FFC6)
YUV	207.5390, -4.7027, -78.5257
Hunter-Lab	89.1341, -48.9993, 18.5261

Details

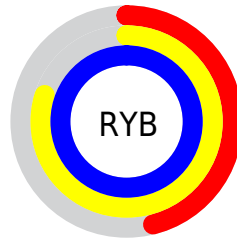
The Yxy color **79.4488, 0.2687, 0.3996** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **37.3082, 0.4030, 0.2712**, and the grayscale version is **62.8217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **42.6499, 0.2579, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **77.4255, 0.2644, 0.4157**, and if you desaturate by 10%, it is **81.9876, 0.2747, 0.3841**.

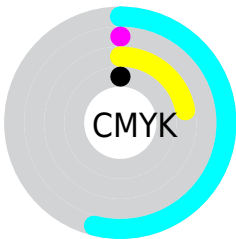
Distribution



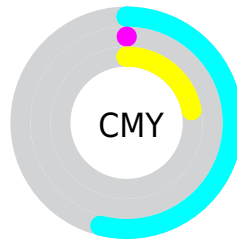
- Red (46%)
- Green (100%)
- Blue (78%)



- Red (46%)
- Yellow (80%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4488, 0.2687, 0.3996 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 79.4488, 0.2687, 0.3996 by changing the saturation by 10% instead.


 79.4488, 0.2687,
0.3996


 79.4488, 0.2687,
0.3996


493.0733, 0.2895,
0.3658


 59.2649, 0.2639,
0.4076

 132.5905, 0.2760,
0.3877

 42.8264, 0.2579,
0.4176


 166.3171, 0.2788,
0.3831

 29.7489, 0.2502,
0.4304


 205.3266, 0.2812,
0.3792

 19.6481, 0.2401,
0.4475

250.0036, 0.2833,
0.3758

 12.1395, 0.2262,
0.4715

300.7323, 0.2851,
0.3728

 6.8388, 0.2059,
0.5070


357.8973, 0.2867,


 3.3615, 0.1742,


0.3702


0.5645


421.8828, 0.2882,
0.3679

 1.3232, 0.0000,
0.8365


 0.1591, 0.0000,
1.0000


 79.4488, 0.2687,
0.3996


 79.4488, 0.2687,
0.3996


 77.4255, 0.2644,
0.4157


 81.9876, 0.2747,
0.3841


 75.8789, 0.2619,
0.4322

 85.0798, 0.2821,
0.3696


 74.7615, 0.2616,
0.4486

 88.7575, 0.2905,
0.3562

 74.0161, 0.2633,
0.4646

 93.0509, 0.2996,
0.3439

 73.6877, 0.2651,
0.4744

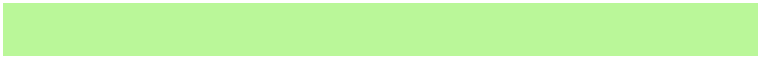
 97.9880, 0.3091,
0.3328

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.



79.4488, 0.3275, 0.4382



79.4488, 0.2687, 0.3996



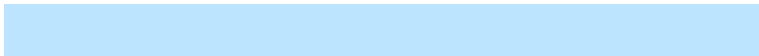
79.4488, 0.2245, 0.3369

Triad

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



79.4488, 0.2687, 0.3996



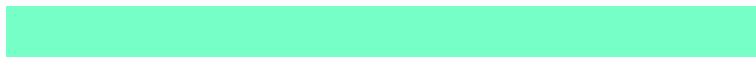
79.4488, 0.2377, 0.2325



79.4488, 0.4352, 0.3591

Complementary

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



79.4488, 0.2687, 0.3996



37.3082, 0.4030, 0.2712

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.



79.4488, 0.4072, 0.3119



79.4488, 0.2687, 0.3996



79.4488, 0.2881, 0.2426

Square

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



79.4488, 0.2687, 0.3996



79.4488, 0.2087, 0.2440



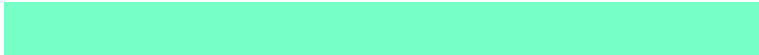
79.4488, 0.3510, 0.2708



79.4488, 0.4258, 0.4045

Rectangle

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



79.4488, 0.2687, 0.3996



79.4488, 0.2080, 0.2967



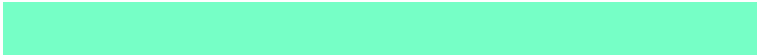
79.4488, 0.3510, 0.2708



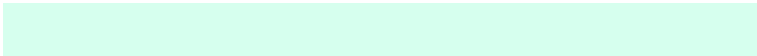
79.4488, 0.4300, 0.3431

Sweetspot

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



79.4482, 0.2687, 0.3996



92.0210, 0.2975, 0.3466



81.9505, 0.3364, 0.4859



19.5024, 0.2956, 0.3491



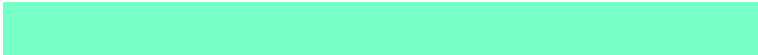
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.4482, 0.2687, 0.3996



77.3778, 0.2643, 0.4162



75.5209, 0.2412, 0.3155



20.3461, 0.3036, 0.3391



38.5339, 0.2644, 0.4718



3.7737, 0.2594, 0.4539

Inverse Universe

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



37.3082, 0.4030, 0.2712



31.4068, 0.4308, 0.2634



38.3752, 0.4656, 0.3409



18.1124, 0.3229, 0.3192



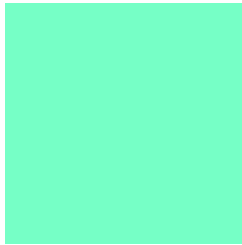
11.6814, 0.5318, 0.2704



1.1585, 0.5023, 0.2541

Previews

White Background



This preview shows how the Yxy color 79.4488, 0.2687, 0.3996 looks on a white background.

Color Contrast Check

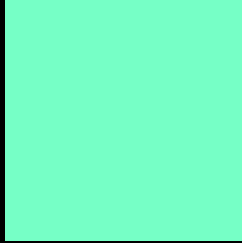
Large Text (above 18pt) WCAG AA × Fail

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 79.4488, 0.2687, 0.3996 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 79.4488, 0.2687, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 79.4488, 0.2687, 0.3996.



This preview shows how white text looks on a background with the Yxy color 79.4488, 0.2687, 0.3996.

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

79.4488, 0.2687, 0.3996

Protanopia

78.0443, 0.3522, 0.3741

Deuteranopia

78.1060, 0.3456, 0.3422



Tritanopia

79.0148, 0.2647, 0.3134

Trichromacy



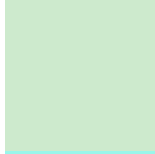
Original Color

79.4488, 0.2687, 0.3996



Protanomaly

76.8725, 0.3154, 0.3839



Deuteranomaly

76.2326, 0.3112, 0.3615



Tritanomaly

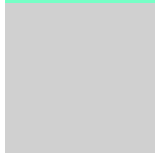
78.6244, 0.2657, 0.3428

Monochromacy



Original Color

79.4488, 0.2687, 0.3996



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.3240, 0.2921, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4488, 0.2687, 0.3996 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(118, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 198)  
}
```

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(118, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 198) }
```

Border

The CSS property to change the border of an element to Yxy 79.4488, 0.2687, 0.3996 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(118, 255, 198) }
```

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

```
.border{ border-color:rgb(118, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 255, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 255, 198); box-shadow:4px 4px 4px 4px rgb(118, 255, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4488, 0.2687, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 198) }
```

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

```
.background{ background-color: rgb(118,  
255, 198) }
```

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