

Converting Colors

$Yxy(79.7182, 0.2601, 0.3817)$

Have a look what the booklet for
Yxy(79.7182, 0.2601, 0.3817)
contains.

Yxy(79.7182, 0.2601, 0.3817)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.7182, 0.2601, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	70FFD4
RGB	112, 255, 212
RGB Percent	44%, 100%, 83%
CMY	0.5609, 0.0000, 0.1686
CMYK	0.56, 0.00, 0.17, 0.00
HSL	162°, 100%, 72%
HSV	162°, 56%, 100%
XYZ	54.3220, 79.7182, 74.8102
YIQ	207.3410, -71.4250, -43.6890

Conversions

Conversions Part 2

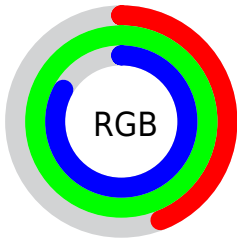
Format	Color
RYB	112, 196, 255
Decimal	7405524
CIELab	91.56, -48.68, 8.96
CIElCh	92, 49.495, 169.565
Yxy	79.7182, 0.2601, 0.3817
Android (android.graphics.Color)	4285595604 (0xFF70FFD4)
YUV	207.3410, 2.2969, -83.6141
Hunter-Lab	89.2850, -47.6475, 12.8216

Details

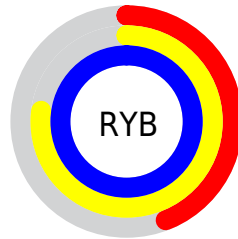
The Yxy color **79.7182, 0.2601, 0.3817** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **35.2064, 0.4299, 0.2859**, and the grayscale version is **62.6402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **42.7982, 0.2480, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **77.8963, 0.2552, 0.3931**, and if you desaturate by 10%, it is **82.0275, 0.2668, 0.3707**.

Distribution



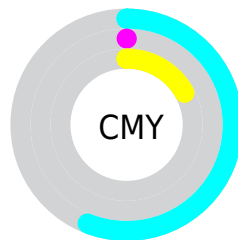
- Red (44%)
- Green (100%)
- Blue (83%)



- Red (44%)
- Yellow (77%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7182, 0.2601, 0.3817 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 79.7182, 0.2601, 0.3817 by changing the saturation by 10% instead.

 79.7182, 0.2601,
0.3817

 79.7182, 0.2601,
0.3817

493.9826, 0.2843,
0.3569


 59.4865, 0.2546,
0.3874


 132.9695, 0.2685,
0.3730

 43.0049, 0.2478,
0.3946


 166.7578, 0.2717,
0.3697

 29.8889, 0.2393,
0.4037


 205.8338, 0.2746,
0.3668

 19.7543, 0.2283,
0.4157

250.5819, 0.2770,
0.3643

 12.2166, 0.2134,
0.4323

301.3864, 0.2792,
0.3621

 6.8913, 0.1924,
0.4565


358.6318, 0.2811,


 3.3942, 0.1608,


0.3602


0.4947


422.7024, 0.2828,
0.3585


 1.3409, 0.0131,
0.6280


 0.1725, 0.0000,
1.0000

 79.7182, 0.2601,
0.3817


 79.7182, 0.2601,
0.3817


 77.8963, 0.2552,
0.3931


 82.0275, 0.2668,
0.3707


 76.5271, 0.2523,
0.4046

 84.8674, 0.2750,
0.3603


 75.5598, 0.2515,
0.4162

 88.2688, 0.2845,
0.3506

 74.9343, 0.2526,
0.4277

 92.2619, 0.2948,
0.3417

 74.7480, 0.2534,
0.4321

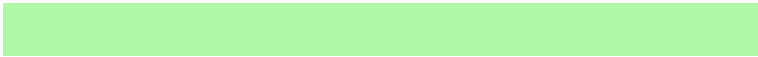
 96.8749, 0.3058,
0.3336

100.0000, 0.3127,
0.3290

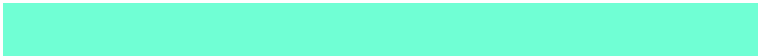
Harmonies

Analogous

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



79.7182, 0.3133, 0.4250



79.7182, 0.2601, 0.3817



79.7182, 0.2231, 0.3227

Triad

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



79.7182, 0.2601, 0.3817



79.7182, 0.2520, 0.2386



79.7182, 0.4283, 0.3686

Complementary

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



79.7182, 0.2601, 0.3817



35.2064, 0.4299, 0.2859

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.



79.7182, 0.4102, 0.3237



79.7182, 0.2601, 0.3817



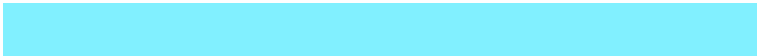
79.7182, 0.3035, 0.2526

Square

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



79.7182, 0.2601, 0.3817



79.7182, 0.2193, 0.2447



79.7182, 0.3626, 0.2827



79.7182, 0.4120, 0.4093

Rectangle

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



79.7182, 0.2601, 0.3817



79.7182, 0.2112, 0.2875



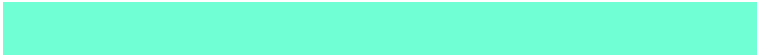
79.7182, 0.3626, 0.2827



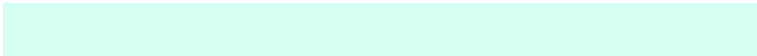
79.7182, 0.4262, 0.3537

Sweetspot

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



79.7160, 0.2601, 0.3817



91.8740, 0.2939, 0.3425



79.8834, 0.3280, 0.4978



19.4850, 0.2917, 0.3442



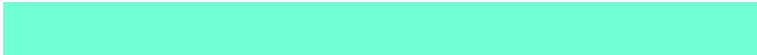
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.7160, 0.2601, 0.3817



77.7540, 0.2549, 0.3941



66.5780, 0.2353, 0.2973



20.3830, 0.3020, 0.3362



39.0851, 0.2528, 0.4302



3.8249, 0.2492, 0.4172

Inverse Universe

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



35.2064, 0.4299, 0.2859



29.3877, 0.4676, 0.2814



40.6605, 0.4661, 0.3557



18.0770, 0.3247, 0.3219



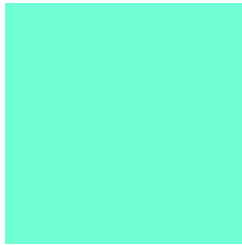
11.4092, 0.5766, 0.2950



1.1292, 0.5446, 0.2774

Previews

White Background



This preview shows how the Yxy color 79.7182, 0.2601, 0.3817 looks on a white background.

Color Contrast Check

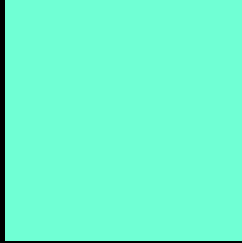
Large Text (above 18pt) WCAG AA × Fail

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 79.7182, 0.2601, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

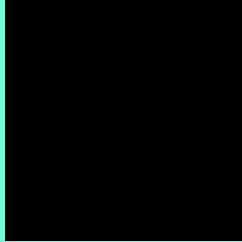
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

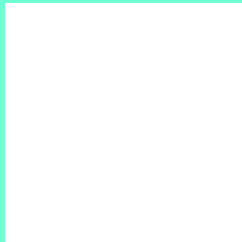
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7182, 0.2601, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 79.7182, 0.2601, 0.3817.

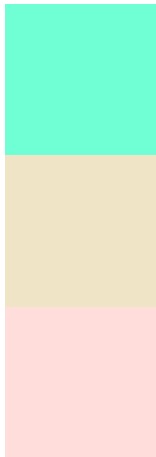


This preview shows how white text looks on a background with the Yxy color 79.7182, 0.2601, 0.3817.

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

79.7182, 0.2601, 0.3817

Protanopia

78.0893, 0.3411, 0.3606

Deuteranopia

78.0874, 0.3387, 0.3311



Tritanopia

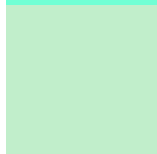
78.9012, 0.2642, 0.3134

Trichromacy



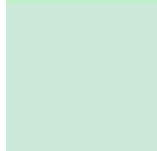
Original Color

79.7182, 0.2601, 0.3817



Protanomaly

76.7983, 0.3044, 0.3690



Deuteranomaly

75.9322, 0.3032, 0.3479



Tritanomaly

78.6276, 0.2619, 0.3369

Monochromacy



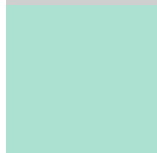
Original Color

79.7182, 0.2601, 0.3817



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.6854, 0.2872, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7182, 0.2601, 0.3817 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(112, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 212)  
}
```

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(112, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 79.7182, 0.2601, 0.3817 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(112, 255, 212) }
```

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

```
.border{ border-color:rgb(112, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7182, 0.2601, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 212) }
```

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

```
.background{ background-color: rgb(112,  
255, 212) }
```

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