

Converting Colors

$Yxy(96.1368, 0.2560, 0.4119)$

Have a look what the booklet for
Yxy(96.1368, 0.2560, 0.4119)
contains.

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Color

Yxy(77.8100, 0.2493, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	4CFFD4
RGB	76, 255, 212
RGB Percent	30%, 100%, 83%
CMY	0.7020, 0.0000, 0.1687
CMYK	0.70, 0.00, 0.17, 0.00
HSL	166°, 100%, 65%
HSV	166°, 70%, 100%
XYZ	50.6212, 77.8100, 74.6221
YIQ	196.5770, -92.8810, -51.3210

Conversions

Conversions Part 2

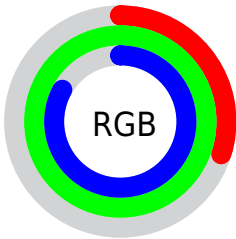
Format	Color
RYB	76, 178, 255
Decimal	5046228
CIELab	90.69, -54.59, 7.62
CIELCh	91, 55.122, 172.053
Yxy	77.8100, 0.2493, 0.3832
Android (android.graphics.Color)	4283236308 (0xFF4CFFD4)
YUV	196.5770, 7.6035, -105.7460
Hunter-Lab	88.2100, -51.9314, 11.5900

Details

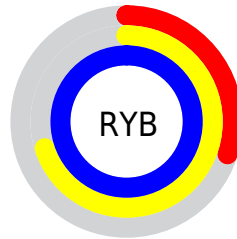
The Yxy color **77.8100, 0.2493, 0.3832** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **27.7611, 0.4951, 0.2915**, and the grayscale version is **55.5595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.6597, 0.2467, 0.3923**, and if you desaturate by 10%, it is **79.3831, 0.2539, 0.3742**.

Distribution



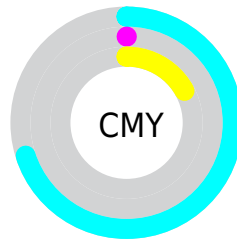
- Red (30%)
- Green (100%)
- Blue (83%)



- Red (30%)
- Yellow (70%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8100, 0.2493, 0.3832 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 77.8100, 0.2493, 0.3832 by changing the saturation by 10% instead.

 77.8100, 0.2493,
0.3832

 77.8100, 0.2493,
0.3832


487.5213, 0.2785,
0.3577

 57.9179, 0.2427,
0.3891


 130.2822, 0.2594,
0.3743

 41.7427, 0.2346,
0.3964


 163.6312, 0.2633,
0.3708

 28.8998, 0.2244,
0.4058


 202.2346, 0.2667,
0.3679

 19.0051, 0.2113,
0.4181

 246.4767, 0.2696,
0.3653

 11.6739, 0.1937,
0.4350

296.7421, 0.2722,
0.3631

 6.5221, 0.1691,
0.4596

353.4150, 0.2746,

 3.1650, 0.1329,

0.3611

0.4981

416.8800, 0.2766,
0.3593

■ 1.2185, 0.0000,
0.6171

■ 0.0767, 0.0000,
1.0000

■ 77.8100, 0.2493,
0.3832

■ 77.8100, 0.2493,
0.3832

■ 76.6597, 0.2467,
0.3923

■ 79.3831, 0.2539,
0.3742

■ 75.8837, 0.2462,
0.4013

■ 81.4265, 0.2603,
0.3655

■ 75.4021, 0.2472,
0.4100

■ 83.9772, 0.2685,
0.3572

■ 87.0696, 0.2781,
0.3493

 90.7348, 0.2888,
0.3419

 95.0017, 0.3004,
0.3352

99.8972, 0.3125,
0.3291

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.



77.8100, 0.3072, 0.4354



77.8100, 0.2493, 0.3832



77.8100, 0.2108, 0.3158

Triad

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



77.8100, 0.2493, 0.3832



77.8100, 0.2490, 0.2296



77.8100, 0.4420, 0.3757

Complementary

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



77.8100, 0.2493, 0.3832



27.7611, 0.4951, 0.2915

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.



77.8100, 0.4254, 0.3263



77.8100, 0.2493, 0.3832



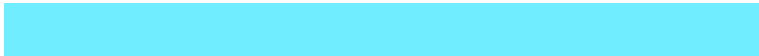
77.8100, 0.3074, 0.2466

Square

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



77.8100, 0.2493, 0.3832



77.8100, 0.2113, 0.2337



77.8100, 0.3737, 0.2809



77.8100, 0.4200, 0.4207

Rectangle

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



77.8100, 0.2493, 0.3832



77.8100, 0.1994, 0.2775



77.8100, 0.3737, 0.2809



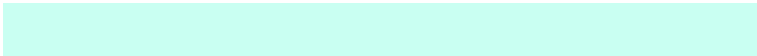
77.8100, 0.4410, 0.3593

Sweetspot

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



77.8088, 0.2493, 0.3832



90.4186, 0.2880, 0.3425



76.0886, 0.3205, 0.5429



19.1269, 0.2849, 0.3445



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.



77.8088, 0.2493, 0.3832



76.3238, 0.2463, 0.3957



54.9730, 0.2185, 0.2721



20.4024, 0.3012, 0.3348



39.4238, 0.2468, 0.4085



3.8556, 0.2440, 0.3983

Inverse Universe

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



27.7611, 0.4951, 0.2915



23.6097, 0.5496, 0.2951



35.3955, 0.5151, 0.3694



18.0586, 0.3256, 0.3233



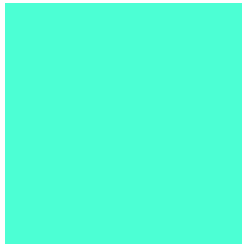
11.3058, 0.5965, 0.3060



1.1170, 0.5653, 0.2888

Previews

White Background



This preview shows how the Yxy color 77.8100, 0.2493, 0.3832 looks on a white background.

Color Contrast Check

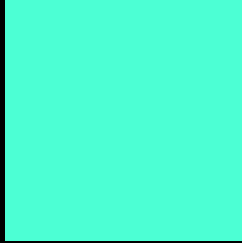
Large Text (above 18pt) WCAG AA × Fail

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 77.8100, 0.2493, 0.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

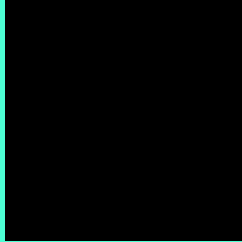
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

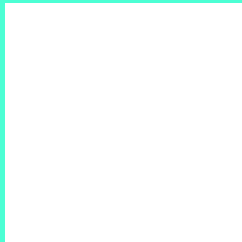
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8100, 0.2493, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 77.8100, 0.2493, 0.3832.



This preview shows how white text looks on a background with the Yxy color 77.8100, 0.2493, 0.3832.

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

77.8100, 0.2493, 0.3832

Protanopia

76.4285, 0.3399, 0.3598

Deuteranopia

76.3396, 0.3353, 0.3281



Tritanopia

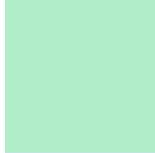
77.1985, 0.2564, 0.3131

Trichromacy



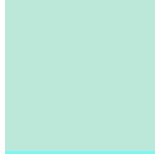
Original Color

77.8100, 0.2493, 0.3832



Protanomaly

74.2976, 0.2955, 0.3702



Deuteranomaly

73.2878, 0.2923, 0.3462



Tritanomaly

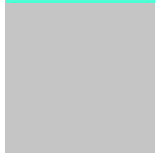
76.6556, 0.2519, 0.3371

Monochromacy



Original Color

77.8100, 0.2493, 0.3832



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.1794, 0.2790, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8100, 0.2493, 0.3832 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(76, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 77.8100, 0.2493, 0.3832 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(76, 255, 212) }
```

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

```
.border{ border-color:rgb(76, 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(76, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8100, 0.2493, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 212) }
```

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

```
.background{ background-color: rgb(76, 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](#).

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