

Converting Colors

$Yxy(77.0469, 0.2527, 0.3987)$

Have a look what the booklet for
Yxy(77.0469, 0.2527, 0.3987)
contains.

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Color

Yxy(77.0766, 0.2527, 0.3983)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 47FFC9 |
| RGB | 71, 255, 201 |
| RGB Percent | 28%, 100%, 79% |
| CMY | 0.7213, 0.0000, 0.2119 |
| CMYK | 0.72, 0.00, 0.21, 0.00 |
| HSL | 162°, 100%, 64% |
| HSV | 162°, 72%, 100% |
| XYZ | 48.9010, 77.0766, 67.5364 |
| YIQ | 193.8280, -92.3300, -55.8020 |

Conversions

Conversions Part 2

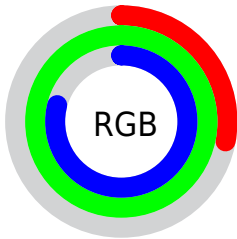
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 71, 179, 255 |
| Decimal | 4718537 |
| CIELab | 90.36, -57.79, 12.81 |
| CIElCh | 90, 59.189, 167.502 |
| Yxy | 77.0766, 0.2527, 0.3983 |
| Android (android.graphics.Color) | 4282908617 (0xFF47FFC9) |
| YUV | 193.8280, 3.5358, -107.7202 |
| Hunter-Lab | 87.7933, -54.2135, 15.8455 |

Details

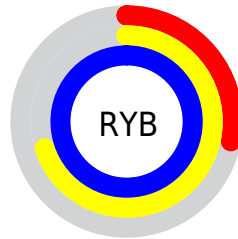
The Yxy color **77.0766, 0.2527, 0.3983** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **27.2581, 0.4883, 0.2820**, and the grayscale version is **53.8708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **42.0391, 0.2482, 0.4135** is the 20% darker color. If you saturate the color by 10%, you get **75.9623, 0.2510, 0.4096**, and if you desaturate by 10%, it is **78.6142, 0.2565, 0.3871**.

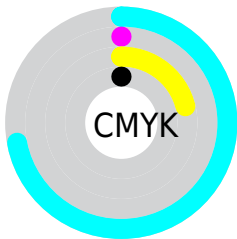
Distribution



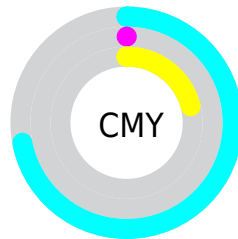
- Red (28%)
- Green (100%)
- Blue (79%)



- Red (28%)
- Yellow (70%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0766, 0.2527, 0.3983 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 77.0766, 0.2527, 0.3983 by changing the saturation by 10% instead.

 77.0766, 0.2527,
0.3983

 77.0766, 0.2527,
0.3983


485.0252, 0.2807,
0.3651

 57.3157, 0.2463,
0.4061


 129.2476, 0.2625,
0.3866


 41.2588, 0.2383,
0.4159


 162.4265, 0.2662,
0.3821

 28.5214, 0.2282,
0.4285


 200.8470, 0.2695,
0.3782

 18.7190, 0.2151,
0.4453

 244.8933, 0.2723,
0.3749

 11.4674, 0.1972,
0.4688

294.9498, 0.2748,
0.3720

 6.3822, 0.1719,
0.5035


351.4011, 0.2770,


 3.0788, 0.1330,


0.3695


0.5599


414.6314, 0.2790,
0.3672


 1.1730, 0.0000,
0.7687


 0.0395, 0.0000,
1.0000


 77.0766, 0.2527,
0.3983


 77.0766, 0.2527,
0.3983


 75.9623, 0.2510,
0.4096


 78.6142, 0.2565,
0.3871

 75.2139, 0.2513,
0.4208

 80.6176, 0.2621,
0.3761


 74.8190, 0.2527,
0.4296


 83.1269, 0.2695,
0.3657

 86.1773, 0.2783,
0.3558

 89.8007, 0.2883,
0.3466

 94.0263, 0.2990,
0.3382

 98.8815, 0.3103,
0.3305

 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.



77.0766, 0.3165, 0.4495



77.0766, 0.2527, 0.3983



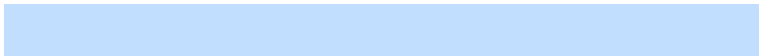
77.0766, 0.2082, 0.3248

Triad

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



77.0766, 0.2527, 0.3983



77.0766, 0.2367, 0.2222



77.0766, 0.4519, 0.3699

Complementary

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



77.0766, 0.2527, 0.3983



27.2581, 0.4883, 0.2820

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.



77.0766, 0.4277, 0.3177



77.0766, 0.2527, 0.3983



77.0766, 0.2961, 0.2372

Square

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



77.0766, 0.2527, 0.3983



77.0766, 0.2007, 0.2299



77.0766, 0.3677, 0.2710



77.0766, 0.4334, 0.4198

Rectangle

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



77.0766, 0.2527, 0.3983



77.0766, 0.1935, 0.2815



77.0766, 0.3677, 0.2710



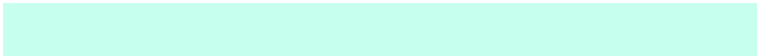
77.0766, 0.4487, 0.3523

Sweetspot

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



77.0776, 0.2527, 0.3983



89.8521, 0.2884, 0.3465



76.4301, 0.3246, 0.5448



19.0088, 0.2856, 0.3489



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.



77.0776, 0.2527, 0.3983



75.5560, 0.2509, 0.4151



58.8155, 0.2199, 0.2826



20.3852, 0.3019, 0.3361



39.1219, 0.2521, 0.4277



3.8283, 0.2486, 0.4150

Inverse Universe

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



27.2581, 0.4883, 0.2820



23.2440, 0.5429, 0.2868



32.4098, 0.5312, 0.3607



18.0749, 0.3248, 0.3220



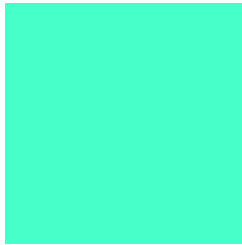
11.3961, 0.5791, 0.2964



1.1277, 0.5470, 0.2787

Previews

White Background



This preview shows how the Yxy color 77.0766, 0.2527, 0.3983 looks on a white background.

Color Contrast Check

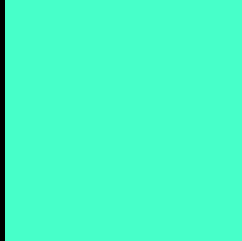
Large Text (above 18pt) WCAG AA × Fail

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 77.0766, 0.2527, 0.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

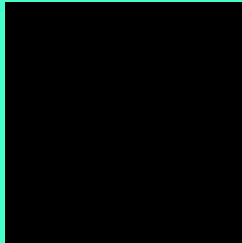
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.0766, 0.2527, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 77.0766, 0.2527, 0.3983.

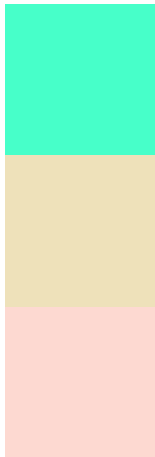


This preview shows how white text looks on a background with the Yxy color 77.0766, 0.2527, 0.3983.

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

77.0766, 0.2527, 0.3983

Protanopia

75.5727, 0.3484, 0.3706

Deuteranopia

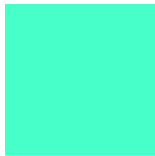
75.1118, 0.3450, 0.3373



Tritanopia

76.2156, 0.2543, 0.3118

Trichromacy



Original Color

77.0766, 0.2527, 0.3983



Protanomaly

73.0996, 0.3012, 0.3827



Deuteranomaly

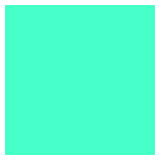
72.1729, 0.2988, 0.3581



Tritanomaly

75.5139, 0.2519, 0.3408

Monochromacy



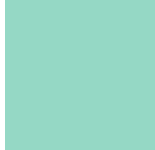
Original Color

77.0766, 0.2527, 0.3983



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.5325, 0.2793, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0766, 0.2527, 0.3983 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(71, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 201)  
}
```

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(71, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 77.0766, 0.2527, 0.3983 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(71, 255, 201) }
```

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

```
.border{ border-color:rgb(71, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0766, 0.2527, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 201) }
```

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

```
.background{ background-color: rgb(71, 255,  
201) }
```

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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