

Converting Colors

$Yxy(82.9670, 0.2541, 0.4069)$

Have a look what the booklet for
Yxy(82.9670, 0.2541, 0.4069)
contains.

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Color

Yxy(77.0495, 0.2518, 0.3970)

Conversions

Conversions Part 1

Format	Color
Hex	45FFCA
RGB	69, 255, 202
RGB Percent	27%, 100%, 79%
CMY	0.7297, 0.0000, 0.2079
CMYK	0.73, 0.00, 0.21, 0.00
HSL	163°, 100%, 64%
HSV	163°, 73%, 100%
XYZ	48.8692, 77.0495, 68.1607
YIQ	193.3440, -93.8430, -55.9150

Conversions

Conversions Part 2

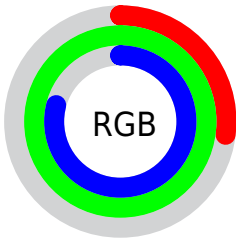
Format	Color
RYB	69, 177, 255
Decimal	4587466
CIELab	90.34, -57.82, 12.26
CIELCh	90, 59.106, 168.025
Yxy	77.0495, 0.2518, 0.3970
Android (android.graphics.Color)	4282777546 (0xFF45FFCA)
YUV	193.3440, 4.2674, -109.0497
Hunter-Lab	87.7778, -54.2337, 15.4050

Details

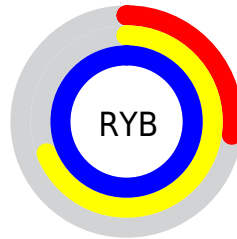
The Yxy color **77.0495, 0.2518, 0.3970** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.9123, 0.4939, 0.2836**, and the grayscale version is **53.5434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **42.0706, 0.2477, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **75.9703, 0.2502, 0.4079**, and if you desaturate by 10%, it is **78.5385, 0.2555, 0.3861**.

Distribution



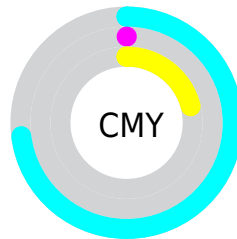
- Red (27%)
- Green (100%)
- Blue (79%)



- Red (27%)
- Yellow (69%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (73%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0495, 0.2518, 0.3970 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 77.0495, 0.2518, 0.3970 by changing the saturation by 10% instead.


 77.0495, 0.2518,
0.3970


 77.0495, 0.2518,
0.3970

484.9328, 0.2802,
0.3645


 57.2935, 0.2453,
0.4047


 129.2094, 0.2617,
0.3855


 41.2409, 0.2373,
0.4142


 162.3820, 0.2655,
0.3811

 28.5074, 0.2271,
0.4266


 200.7956, 0.2688,
0.3774

 18.7085, 0.2138,
0.4430

 244.8347, 0.2717,
0.3741

 11.4598, 0.1958,
0.4658

294.8835, 0.2742,
0.3712

 6.3770, 0.1704,
0.4996


351.3266, 0.2764,


 3.0757, 0.1315,

0.3687

0.5544


414.5482, 0.2784,
0.3665


 1.1714, 0.0000,
0.7505


 0.0381, 0.0000,
1.0000


 77.0495, 0.2518,
0.3970


 77.0495, 0.2518,
0.3970


 75.9703, 0.2502,
0.4079


 78.5385, 0.2555,
0.3861

 75.2551, 0.2506,
0.4188

 80.4930, 0.2611,
0.3755


 74.9114, 0.2518,
0.4263


 82.9493, 0.2684,
0.3653

 85.9428, 0.2772,
0.3557

 89.5057, 0.2871,
0.3468

 93.6674, 0.2979,
0.3385

 98.4554, 0.3093,
0.3311

 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.



77.0495, 0.3153, 0.4488



77.0495, 0.2518, 0.3970



77.0495, 0.2077, 0.3236

Triad

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



77.0495, 0.2518, 0.3970



77.0495, 0.2377, 0.2224



77.0495, 0.4517, 0.3708

Complementary

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



77.0495, 0.2518, 0.3970



26.9123, 0.4939, 0.2836

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.



77.0495, 0.4284, 0.3186



77.0495, 0.2518, 0.3970



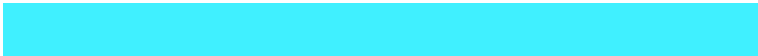
77.0495, 0.2973, 0.2377

Square

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



77.0495, 0.2518, 0.3970



77.0495, 0.2012, 0.2297



77.0495, 0.3689, 0.2718



77.0495, 0.4326, 0.4205

Rectangle

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



77.0495, 0.2518, 0.3970



77.0495, 0.1934, 0.2806



77.0495, 0.3689, 0.2718



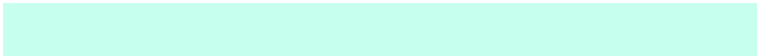
77.0495, 0.4488, 0.3532

Sweetspot

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



77.0462, 0.2518, 0.3970



89.8813, 0.2882, 0.3459



76.2904, 0.3244, 0.5469



19.0157, 0.2853, 0.3483



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.



77.0462, 0.2518, 0.3970



75.5693, 0.2501, 0.4134



58.5153, 0.2193, 0.2820



20.3880, 0.3018, 0.3359



39.1698, 0.2513, 0.4245



3.8327, 0.2478, 0.4122

Inverse Universe

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



26.9123, 0.4939, 0.2836



23.0371, 0.5494, 0.2892



32.0276, 0.5347, 0.3606



18.0722, 0.3249, 0.3222



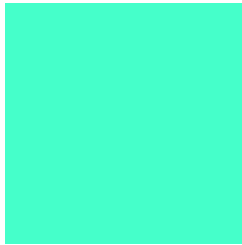
11.3798, 0.5821, 0.2980



1.1258, 0.5501, 0.2804

Previews

White Background



This preview shows how the Yxy color 77.0495, 0.2518, 0.3970 looks on a white background.

Color Contrast Check

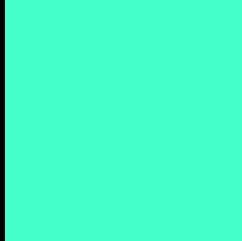
Large Text (above 18pt) WCAG AA × Fail

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 77.0495, 0.2518, 0.3970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

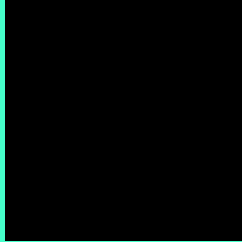
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.0495, 0.2518, 0.3970

Background



This preview shows how black text looks on a background with the Yxy color 77.0495, 0.2518, 0.3970.



This preview shows how white text looks on a background with the Yxy color 77.0495, 0.2518, 0.3970.

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

77.0495, 0.2518, 0.3970

Protanopia

75.6154, 0.3477, 0.3695

Deuteranopia

75.1615, 0.3443, 0.3362



Tritanopia

76.1195, 0.2539, 0.3118

Trichromacy



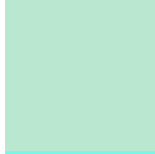
Original Color

77.0495, 0.2518, 0.3970



Protanomaly

73.1438, 0.3006, 0.3815



Deuteranomaly

72.0959, 0.2975, 0.3570



Tritanomaly

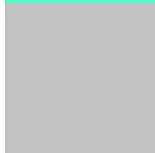
75.4259, 0.2507, 0.3396

Monochromacy



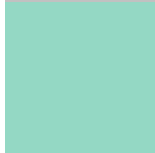
Original Color

77.0495, 0.2518, 0.3970



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.3932, 0.2792, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0495, 0.2518, 0.3970 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(69, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 202)  
}
```

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(69, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 77.0495, 0.2518, 0.3970 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(69, 255, 202) }
```

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

```
.border{ border-color:rgb(69, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0495, 0.2518, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 202) }
```

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

```
.background{ background-color: rgb(69, 255,  
202) }
```

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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