

Converting Colors

$Yxy(77.0333, 0.2548, 0.4028)$

Have a look what the booklet for
Yxy(77.0333, 0.2548, 0.4028)
contains.

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Color

Yxy(77.0531, 0.2546, 0.4022)

Conversions

Conversions Part 1

Format	Color
Hex	4AFFC6
RGB	74, 255, 198
RGB Percent	29%, 100%, 78%
CMY	0.7101, 0.0000, 0.2234
CMYK	0.71, 0.00, 0.22, 0.00
HSL	161°, 100%, 64%
HSV	161°, 71%, 100%
XYZ	48.7760, 77.0531, 65.7499
YIQ	194.3830, -89.5790, -56.0990

Conversions

Conversions Part 2

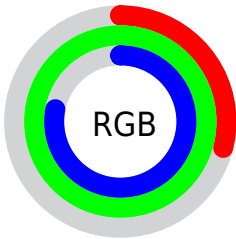
Format	Color
RYB	74, 181, 255
Decimal	4915142
CIELab	90.35, -58.08, 14.31
CIELCh	90, 59.818, 166.161
Yxy	77.0531, 0.2546, 0.4022
Android (android.graphics.Color)	4283105222 (0xFF4AFFC6)
YUV	194.3830, 1.7832, -105.5759
Hunter-Lab	87.7799, -54.4290, 17.0358

Details

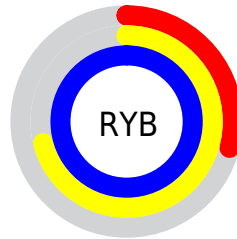
The Yxy color **77.0531, 0.2546, 0.4022** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **27.7839, 0.4785, 0.2783**, and the grayscale version is **54.2054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **41.9461, 0.2497, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **75.8773, 0.2528, 0.4144**, and if you desaturate by 10%, it is **78.6561, 0.2584, 0.3901**.

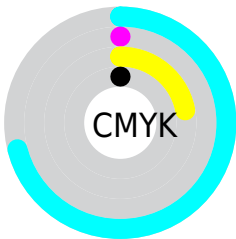
Distribution



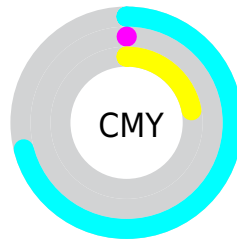
- Red (29%)
- Green (100%)
- Blue (78%)



- Red (29%)
- Yellow (71%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0531, 0.2546, 0.4022 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 77.0531, 0.2546, 0.4022 by changing the saturation by 10% instead.

 77.0531, 0.2546,
0.4022

 77.0531, 0.2546,
0.4022

484.9451, 0.2819,
0.3670

 57.2965, 0.2483,
0.4105

 129.2144, 0.2641,
0.3898


 41.2433, 0.2405,
0.4210


 162.3879, 0.2678,
0.3850

 28.5092, 0.2306,
0.4344


 200.8025, 0.2710,
0.3809

 18.7099, 0.2176,
0.4524

 244.8425, 0.2737,
0.3774

 11.4608, 0.1999,
0.4776

294.8923, 0.2761,
0.3743

 6.3777, 0.1747,
0.5151


351.3365, 0.2783,


 3.0761, 0.1354,


0.3716


0.5762

414.5592, 0.2802,
0.3692


 1.1716, 0.0000,
0.8260


 0.0383, 0.0000,
1.0000


 77.0531, 0.2546,
0.4022


 77.0531, 0.2546,
0.4022


 75.8773, 0.2528,
0.4144


 78.6561, 0.2584,
0.3901

 75.0785, 0.2531,
0.4265

 80.7339, 0.2641,
0.3784

 74.6066, 0.2548,
0.4372

 83.3244, 0.2715,
0.3671

 86.4621, 0.2802,
0.3566

■ 90.1788, 0.2900,
0.3468

■ 94.5037, 0.3006,
0.3379

■ 99.4638, 0.3116,
0.3298

■ 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.



77.0531, 0.3195, 0.4522



77.0531, 0.2546, 0.4022



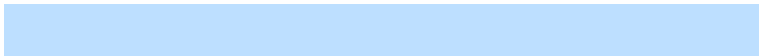
77.0531, 0.2086, 0.3280

Triad

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



77.0531, 0.2546, 0.4022



77.0531, 0.2338, 0.2210



77.0531, 0.4532, 0.3678

Complementary

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



77.0531, 0.2546, 0.4022



27.7839, 0.4785, 0.2783

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.



77.0531, 0.4269, 0.3152



77.0531, 0.2546, 0.4022



77.0531, 0.2928, 0.2352

Square

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



77.0531, 0.2546, 0.4022



77.0531, 0.1987, 0.2299



77.0531, 0.3651, 0.2686



77.0531, 0.4362, 0.4185

Rectangle

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



77.0531, 0.2546, 0.4022



77.0531, 0.1930, 0.2835



77.0531, 0.3651, 0.2686



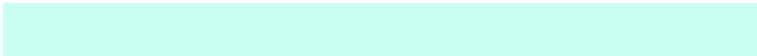
77.0531, 0.4493, 0.3500

Sweetspot

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



77.0520, 0.2546, 0.4022



90.1821, 0.2900, 0.3468



76.8602, 0.3265, 0.5408



19.0702, 0.2872, 0.3494



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.



77.0520, 0.2546, 0.4022



75.5167, 0.2527, 0.4193



60.8114, 0.2218, 0.2874



20.3785, 0.3022, 0.3366



39.0118, 0.2542, 0.4352



3.8182, 0.2504, 0.4216

Inverse Universe

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



27.7839, 0.4785, 0.2783



23.7120, 0.5289, 0.2814



32.2951, 0.5292, 0.3579



18.0812, 0.3245, 0.3215



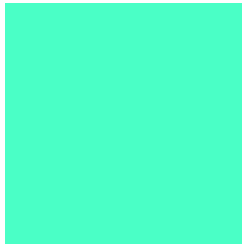
11.4368, 0.5716, 0.2923



1.1323, 0.5396, 0.2746

Previews

White Background



This preview shows how the Yxy color 77.0531, 0.2546, 0.4022 looks on a white background.

Color Contrast Check

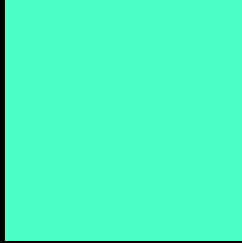
Large Text (above 18pt) WCAG AA × Fail

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 77.0531, 0.2546, 0.4022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

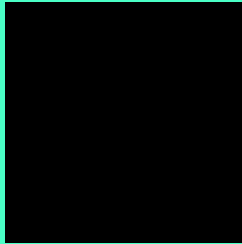
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

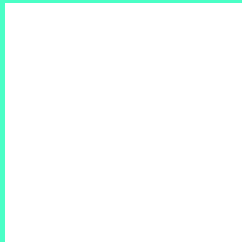
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0531, 0.2546, 0.4022

Background



This preview shows how black text looks on a background with the Yxy color 77.0531, 0.2546, 0.4022.

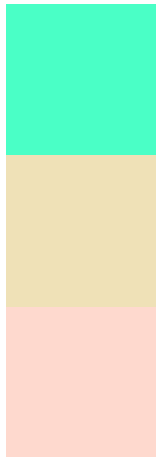


This preview shows how white text looks on a background with the Yxy color 77.0531, 0.2546, 0.4022.

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

77.0531, 0.2546, 0.4022

Protanopia

75.6200, 0.3512, 0.3737

Deuteranopia

75.1528, 0.3479, 0.3403



Tritanopia

76.2156, 0.2543, 0.3118

Trichromacy



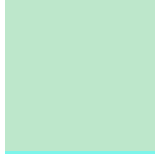
Original Color

77.0531, 0.2546, 0.4022



Protanomaly

73.2055, 0.3042, 0.3862



Deuteranomaly

72.2824, 0.3019, 0.3616



Tritanomaly

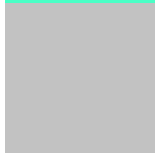
75.5304, 0.2528, 0.3420

Monochromacy



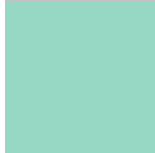
Original Color

77.0531, 0.2546, 0.4022



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.5359, 0.2811, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0531, 0.2546, 0.4022 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(74, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(74, 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(74, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 198) }
```

Border

The CSS property to change the border of an element to Yxy 77.0531, 0.2546, 0.4022 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(74, 255, 198) }
```

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

```
.border{ border-color:rgb(74, 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(74, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0531, 0.2546, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 198) }
```

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

```
.background{ background-color: rgb(74, 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](#).

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