

Converting Colors

$Y_{xy}(100.0000, 0.2587, 0.4201)$

Have a look what the booklet for
Yxy(100.0000, 0.2587, 0.4201)
contains.

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Color

Yxy(77.7432, 0.2510, 0.3871)

Conversions

Conversions Part 1

Format	Color
Hex	4EFFD1
RGB	78, 255, 209
RGB Percent	31%, 100%, 82%
CMY	0.6943, 0.0000, 0.1803
CMYK	0.69, 0.00, 0.18, 0.00
HSL	164°, 100%, 65%
HSV	164°, 69%, 100%
XYZ	50.4096, 77.7432, 72.6822
YIQ	196.8330, -90.7260, -51.8300

Conversions

Conversions Part 2

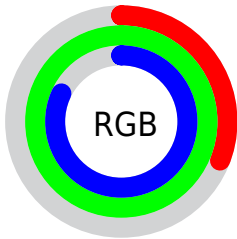
Format	Color
RYB	78, 180, 255
Decimal	5177297
CIELab	90.66, -55.03, 9.11
CIELCh	91, 55.775, 170.600
Yxy	77.7432, 0.2510, 0.3871
Android (android.graphics.Color)	4283367377 (0xFF4EFFD1)
YUV	196.8330, 5.9983, -104.2165
Hunter-Lab	88.1721, -52.2495, 12.8465

Details

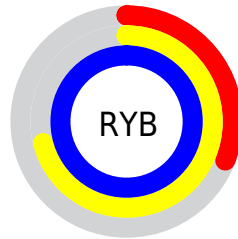
The Yxy color **77.7432, 0.2510, 0.3871** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **28.1572, 0.4870, 0.2881**, and the grayscale version is **55.7267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **42.2991, 0.2442, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **76.5455, 0.2484, 0.3970**, and if you desaturate by 10%, it is **79.3704, 0.2556, 0.3774**.

Distribution



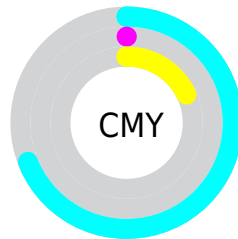
- Red (31%)
- Green (100%)
- Blue (82%)



- Red (31%)
- Yellow (71%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7432, 0.2510, 0.3871 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 77.7432, 0.2510, 0.3871 by changing the saturation by 10% instead.


 77.7432, 0.2510,
0.3871


 77.7432, 0.2510,
0.3871


487.2943, 0.2795,
0.3596


 57.8630, 0.2445,
0.3935


 130.1881, 0.2609,
0.3775


 41.6986, 0.2366,
0.4015


 163.5215, 0.2647,
0.3738

 28.8653, 0.2265,
0.4117


 202.1083, 0.2680,
0.3706

 18.9790, 0.2135,
0.4251

 246.3326, 0.2709,
0.3678

 11.6551, 0.1961,
0.4437

296.5790, 0.2734,
0.3654

 6.5093, 0.1716,
0.4709


353.2318, 0.2757,


 3.1572, 0.1353,


0.3632


416.6754, 0.2777,
0.3613

0.5139


 1.2143, 0.0000,
0.6519

 0.0734, 0.0000,
1.0000


 77.7432, 0.2510,
0.3871


 77.7432, 0.2510,
0.3871


 76.5455, 0.2484,
0.3970


 79.3704, 0.2556,
0.3774


 75.7277, 0.2479,
0.4068


 81.4724, 0.2620,
0.3679


 75.2101, 0.2491,
0.4165

 84.0864, 0.2701,
0.3588

 75.1842, 0.2492,
0.4171

 87.2465, 0.2796,
0.3503

 90.9839, 0.2902,
0.3424

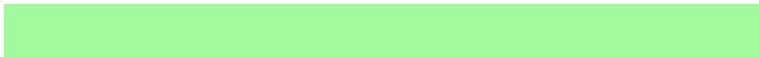
 95.3271, 0.3016,
0.3352

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.



77.7432, 0.3102, 0.4385



77.7432, 0.2510, 0.3871



77.7432, 0.2110, 0.3187

Triad

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



77.7432, 0.2510, 0.3871



77.7432, 0.2459, 0.2282



77.7432, 0.4437, 0.3737

Complementary

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



77.7432, 0.2510, 0.3871



28.1572, 0.4870, 0.2881

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.



77.7432, 0.4249, 0.3238



77.7432, 0.2510, 0.3871



77.7432, 0.3041, 0.2445

Square

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



77.7432, 0.2510, 0.3871



77.7432, 0.2090, 0.2335



77.7432, 0.3713, 0.2783



77.7432, 0.4231, 0.4197

Rectangle

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



77.7432, 0.2510, 0.3871



77.7432, 0.1987, 0.2793



77.7432, 0.3713, 0.2783



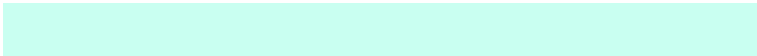
77.7432, 0.4420, 0.3570

Sweetspot

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



77.7425, 0.2510, 0.3871



90.3563, 0.2885, 0.3436



76.4425, 0.3221, 0.5398



19.1120, 0.2855, 0.3458



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.



77.7425, 0.2510, 0.3871



76.2127, 0.2480, 0.4005



56.7751, 0.2202, 0.2768



20.3961, 0.3015, 0.3352



39.3111, 0.2487, 0.4155



3.8455, 0.2457, 0.4043

Inverse Universe

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



28.1572, 0.4870, 0.2881



23.9012, 0.5397, 0.2910



35.0678, 0.5146, 0.3665



18.0645, 0.3253, 0.3228



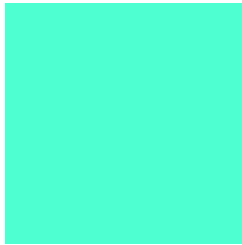
11.3363, 0.5905, 0.3027



1.1207, 0.5588, 0.2852

Previews

White Background



This preview shows how the Yxy color 77.7432, 0.2510, 0.3871 looks on a white background.

Color Contrast Check

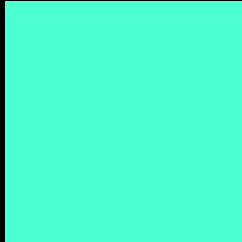
Large Text (above 18pt) WCAG AA × Fail

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 77.7432, 0.2510, 0.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

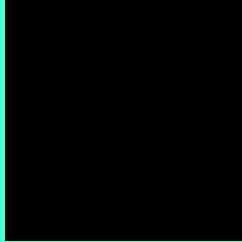
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7432, 0.2510, 0.3871

Background



This preview shows how black text looks on a background with the Yxy color 77.7432, 0.2510, 0.3871.

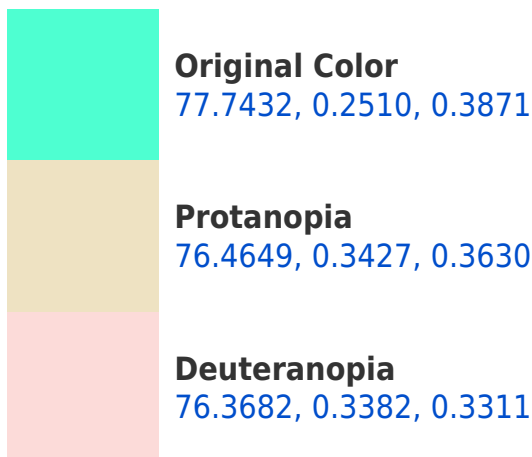


This preview shows how white text looks on a background with the Yxy color 77.7432, 0.2510, 0.3871.

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

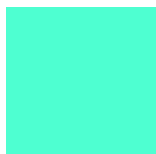




Tritanopia

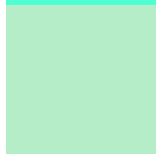
77.1985, 0.2564, 0.3131

Trichromacy



Original Color

77.7432, 0.2510, 0.3871



Protanomaly

74.3952, 0.2985, 0.3737



Deuteranomaly

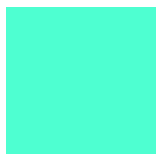
73.3871, 0.2953, 0.3497



Tritanomaly

76.6738, 0.2528, 0.3383

Monochromacy



Original Color

77.7432, 0.2510, 0.3871



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.2299, 0.2802, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7432, 0.2510, 0.3871 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(78, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(78, 255, 209)  
}
```

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(78, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 77.7432, 0.2510, 0.3871 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(78, 255, 209) }
```

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

```
.border{ border-color:rgb(78, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(78, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7432, 0.2510, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 255, 209) }
```

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

```
.background{ background-color: rgb(78, 255,  
209) }
```

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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