

Converting Colors

$Y_{xy}(77.6564, 0.2508, 0.3877)$

Have a look what the booklet for
Yxy(77.6564, 0.2508, 0.3877)
contains.

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Color

Yxy(77.6599, 0.2505, 0.3872)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4CFFD1 |
| RGB | 76, 255, 209 |
| RGB Percent | 30%, 100%, 82% |
| CMY | 0.7024, 0.0000, 0.1804 |
| CMYK | 0.70, 0.00, 0.18, 0.00 |
| HSL | 165°, 100%, 65% |
| HSV | 165°, 70%, 100% |
| XYZ | 50.2423, 77.6599, 72.6658 |
| YIQ | 196.2350, -91.9180, -52.2540 |

Conversions

Conversions Part 2

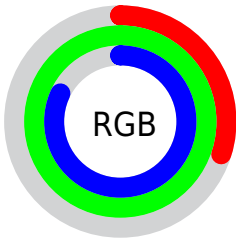
| Format | Color |
|-------------------------------------|---|
| RYB | 76, 179, 255 |
| Decimal | 5046225 |
| CIELab | 90.62, -55.31, 9.06 |
| CIELCh | 91, 56.047, 170.700 |
| Yxy | 77.6599, 0.2505, 0.3872 |
| Android (android.graphics.Color) | 4283236305 (0xFF4CFFD1) |
| YUV | 196.2350, 6.2931, -105.4461 |
| Hunter-Lab | 88.1249, -52.4510, 12.7982 |

Details

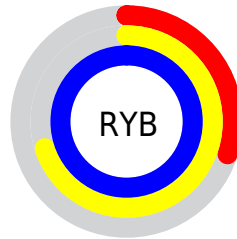
The Yxy color **77.6599, 0.2505, 0.3872** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **27.8153, 0.4910, 0.2886**, and the grayscale version is **55.3313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **42.2991, 0.2442, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **76.4939, 0.2481, 0.3969**, and if you desaturate by 10%, it is **79.2438, 0.2549, 0.3775**.

Distribution



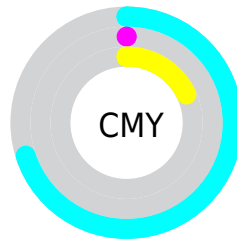
- Red (30%)
- Green (100%)
- Blue (82%)



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



- Cyan (70%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6599, 0.2505, 0.3872 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 77.6599, 0.2505, 0.3872 by changing the saturation by 10% instead.


 77.6599, 0.2505,
0.3872

 77.6599, 0.2505,
0.3872


487.0110, 0.2792,
0.3597


 57.7946, 0.2440,
0.3936


 130.0706, 0.2604,
0.3775


 41.6436, 0.2360,
0.4016


 163.3848, 0.2643,
0.3738

 28.8223, 0.2259,
0.4118


 201.9508, 0.2676,
0.3706

 18.9464, 0.2128,
0.4253

 246.1529, 0.2706,
0.3679

 11.6316, 0.1952,
0.4439

296.3756, 0.2731,
0.3654

 6.4933, 0.1705,
0.4711


353.0033, 0.2754,


 3.1473, 0.1340,


0.3633


0.5142


416.4203, 0.2774,
0.3614


 1.2091, 0.0000,
0.6513

 0.0691, 0.0000,
1.0000


 77.6599, 0.2505,
0.3872


 77.6599, 0.2505,
0.3872


 76.4939, 0.2481,
0.3969


 79.2438, 0.2549,
0.3775

 75.7066, 0.2477,
0.4067


 81.3026, 0.2613,
0.3682

 75.2167, 0.2489,
0.4160

 83.8703, 0.2693,
0.3592

 86.9810, 0.2787,
0.3507

 90.6663, 0.2892,
0.3429

 94.9548, 0.3006,
0.3357

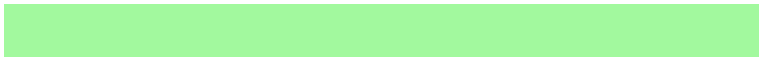
99.8735, 0.3124,
0.3292

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.



77.6599, 0.3099, 0.4390



77.6599, 0.2505, 0.3872



77.6599, 0.2104, 0.3184

Triad

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



77.6599, 0.2505, 0.3872



77.6599, 0.2457, 0.2278



77.6599, 0.4444, 0.3740

Complementary

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



77.6599, 0.2505, 0.3872



27.8153, 0.4910, 0.2886

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.



77.6599, 0.4257, 0.3239



77.6599, 0.2505, 0.3872



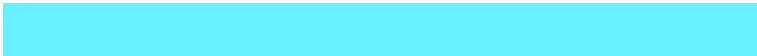
77.6599, 0.3042, 0.2442

Square

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



77.6599, 0.2505, 0.3872



77.6599, 0.2086, 0.2330



77.6599, 0.3719, 0.2782



77.6599, 0.4235, 0.4202

Rectangle

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



77.6599, 0.2505, 0.3872



77.6599, 0.1981, 0.2788



77.6599, 0.3719, 0.2782



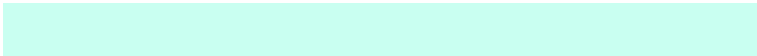
77.6599, 0.4427, 0.3572

Sweetspot

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



77.6555, 0.2505, 0.3872



90.3657, 0.2884, 0.3435



76.2992, 0.3219, 0.5420



19.1142, 0.2854, 0.3456



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.



77.6555, 0.2505, 0.3872



76.1573, 0.2477, 0.4006



56.4443, 0.2195, 0.2761



20.3971, 0.3014, 0.3352



39.3279, 0.2485, 0.4144



3.8470, 0.2454, 0.4034

Inverse Universe

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



27.8153, 0.4910, 0.2886



23.6730, 0.5444, 0.2920



34.6616, 0.5179, 0.3665



18.0636, 0.3254, 0.3229



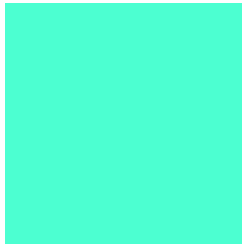
11.3315, 0.5914, 0.3032



1.1202, 0.5598, 0.2858

Previews

White Background



This preview shows how the Yxy color 77.6599, 0.2505, 0.3872 looks on a white background.

Color Contrast Check

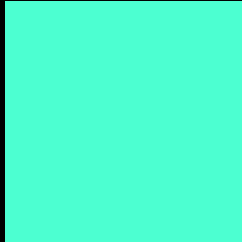
Large Text (above 18pt) WCAG AA × Fail

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 77.6599, 0.2505, 0.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

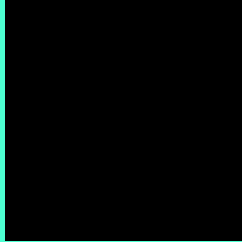
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6599, 0.2505, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 77.6599, 0.2505, 0.3872.

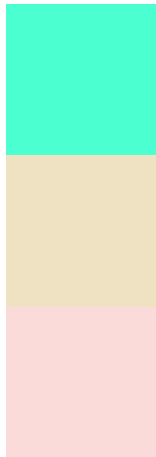


This preview shows how white text looks on a background with the Yxy color 77.6599, 0.2505, 0.3872.

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

77.6599, 0.2505, 0.3872

Protanopia

76.4649, 0.3427, 0.3630

Deuteranopia

76.1820, 0.3374, 0.3311



Tritanopia

77.0992, 0.2559, 0.3130

Trichromacy



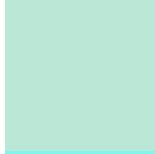
Original Color

77.6599, 0.2505, 0.3872



Protanomaly

74.2756, 0.2978, 0.3738



Deuteranomaly

73.1331, 0.2940, 0.3497



Tritanomaly

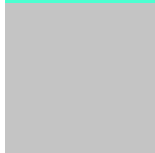
76.5202, 0.2520, 0.3383

Monochromacy



Original Color

77.6599, 0.2505, 0.3872



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.5182, 0.2789, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6599, 0.2505, 0.3872 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 77.6599, 0.2505, 0.3872 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, 209) }
```

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

```
.border{ border-color:rgb(76, 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(76, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
209) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.6599, 0.2505, 0.3872$ 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, 209) }
```

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

```
.background{ background-color: rgb(76, 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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