

Converting Colors

$Y_{xy}(100.0000, 0.2461, 0.3989)$

Have a look what the booklet for
Yxy(100.0000, 0.2461, 0.3989)
contains.

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Color

Yxy(77.4594, 0.2368, 0.3640)

Conversions

Conversions Part 1

Format	Color
Hex	25FFE3
RGB	37, 255, 227
RGB Percent	15%, 100%, 89%
CMY	0.8540, 0.0000, 0.1099
CMYK	0.85, 0.00, 0.11, 0.00
HSL	172°, 100%, 57%
HSV	172°, 85%, 100%
XYZ	50.3912, 77.4594, 84.9500
YIQ	186.6260, -120.9400, -54.9240

Conversions

Conversions Part 2

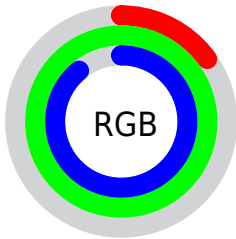
Format	Color
RYB	37, 153, 255
Decimal	2490339
CIELab	90.53, -54.52, -0.44
CIElCh	91, 54.517, 180.464
Yxy	77.4594, 0.2368, 0.3640
Android (android.graphics.Color)	4280680419 (0xFF25FFE3)
YUV	186.6260, 19.9044, -131.2220
Hunter-Lab	88.0110, -51.8182, 4.3798

Details

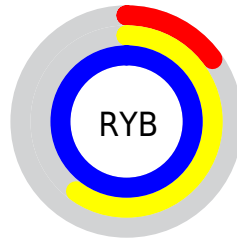
The Yxy color **77.4594, 0.2368, 0.3640** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.9828, 0.5867, 0.3145**, and the grayscale version is **49.4500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **42.9111, 0.2359, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **76.9614, 0.2362, 0.3685**, and if you desaturate by 10%, it is **78.2957, 0.2392, 0.3594**.

Distribution



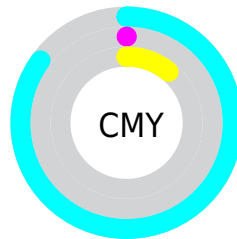
- Red (15%)
- Green (100%)
- Blue (89%)



- Red (15%)
- Yellow (60%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (85%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4594, 0.2368, 0.3640 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 77.4594, 0.2368, 0.3640 by changing the saturation by 10% instead.


 77.4594, 0.2368,
0.3640


 77.4594, 0.2368,
0.3640


486.3289, 0.2711,
0.3482


 57.6300, 0.2292,
0.3675

 129.7878, 0.2485,
0.3586

 41.5113, 0.2199,
0.3717


 163.0555, 0.2531,
0.3565

 28.7188, 0.2084,
0.3770


 201.5715, 0.2571,
0.3547

 18.8682, 0.1937,
0.3837

 245.7202, 0.2606,
0.3531

 11.5751, 0.1745,
0.3924

295.8858, 0.2637,
0.3516

 6.4550, 0.1484,
0.4042


352.4529, 0.2665,


 3.1237, 0.1117,


0.3504


415.8058, 0.2689,
0.3493


0.4206

 1.1967, 0.0000,
0.4715


 0.0590, 0.0000,
0.3828


 77.4594, 0.2368,
0.3640


 77.4594, 0.2368,
0.3640


 76.9614, 0.2362,
0.3685

 78.2957, 0.2392,
0.3594

 76.8036, 0.2363,
0.3706

 79.5204, 0.2436,
0.3549

 81.1838, 0.2500,
0.3504

 83.3269, 0.2582,
0.3460

85.9856, 0.2681,
0.3418

89.1927, 0.2795,
0.3378

92.9780, 0.2920,
0.3341

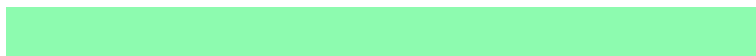
97.3693, 0.3053,
0.3307

99.9998, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4594, 0.2901, 0.4232



77.4594, 0.2368, 0.3640



77.4594, 0.2055, 0.2989

Triad

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



77.4594, 0.2368, 0.3640



77.4594, 0.2641, 0.2331



77.4594, 0.4384, 0.3888

Complementary

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



77.4594, 0.2368, 0.3640



22.9828, 0.5867, 0.3145

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.



77.4594, 0.4329, 0.3401



77.4594, 0.2368, 0.3640



77.4594, 0.3259, 0.2553

Square

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



77.4594, 0.2368, 0.3640



77.4594, 0.2203, 0.2311



77.4594, 0.3901, 0.2931



77.4594, 0.4074, 0.4299

Rectangle

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



77.4594, 0.2368, 0.3640



77.4594, 0.1991, 0.2651



77.4594, 0.3901, 0.2931



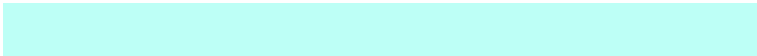
77.4594, 0.4410, 0.3729

Sweetspot

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



77.4624, 0.2368, 0.3640



88.9831, 0.2788, 0.3380



72.8227, 0.3069, 0.5826



18.7971, 0.2747, 0.3394



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.



77.4624, 0.2368, 0.3640



76.8038, 0.2363, 0.3706



38.3379, 0.1979, 0.2220



20.4389, 0.2997, 0.3321



40.1474, 0.2361, 0.3698



3.9198, 0.2346, 0.3647

Inverse Universe

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



22.9828, 0.5867, 0.3145



21.3688, 0.6267, 0.3226



34.1375, 0.5454, 0.3883



18.0251, 0.3274, 0.3260



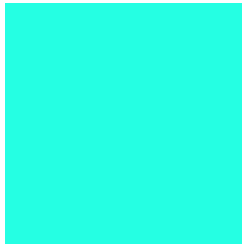
11.1773, 0.6240, 0.3211



1.0996, 0.5990, 0.3074

Previews

White Background



This preview shows how the Yxy color 77.4594, 0.2368, 0.3640 looks on a white background.

Color Contrast Check

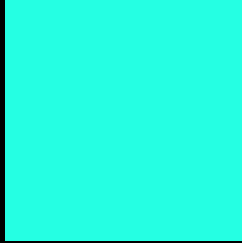
Large Text (above 18pt) WCAG AA × Fail

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 77.4594, 0.2368, 0.3640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

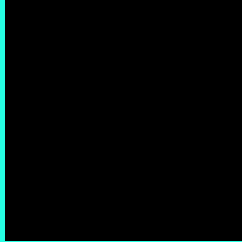
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4594, 0.2368, 0.3640

Background



This preview shows how black text looks on a background with the Yxy color 77.4594, 0.2368, 0.3640.

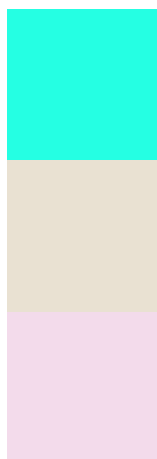


This preview shows how white text looks on a background with the Yxy color 77.4594, 0.2368, 0.3640.

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

77.4594, 0.2368, 0.3640

Protanopia

75.8272, 0.3283, 0.3450

Deuteranopia

75.7159, 0.3192, 0.3127



Tritanopia

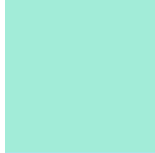
76.6146, 0.2536, 0.3129

Trichromacy



Original Color

77.4594, 0.2368, 0.3640



Protanomaly

72.6302, 0.2783, 0.3528



Deuteranomaly

71.8643, 0.2726, 0.3289



Tritanomaly

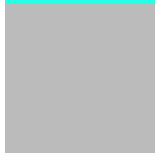
75.7553, 0.2428, 0.3300

Monochromacy



Original Color

77.4594, 0.2368, 0.3640



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.3378, 0.2665, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4594, 0.2368, 0.3640 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(37, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(37, 255, 227)  
}
```

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(37, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 77.4594, 0.2368, 0.3640 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(37, 255, 227) }
```

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

```
.border{ border-color:rgb(37, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(37, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4594, 0.2368, 0.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 255, 227) }
```

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

```
.background{ background-color: rgb(37, 255,  
227) }
```

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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