

Converting Colors

$Y_{xy}(100.0000, 0.2397, 0.3765)$

Have a look what the booklet for
Yxy(100.0000, 0.2397, 0.3765)
contains.

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Color

Yxy(78.4876, 0.2301, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	24FFF5
RGB	36, 255, 245
RGB Percent	14%, 100%, 96%
CMY	0.8592, 0.0000, 0.0393
CMYK	0.86, 0.00, 0.04, 0.00
HSL	177°, 100%, 57%
HSV	177°, 86%, 100%
XYZ	52.9619, 78.4876, 98.7194
YIQ	188.3790, -127.3140, -49.5380

Conversions

Conversions Part 2

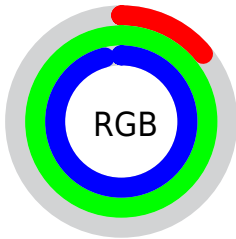
Format	Color
R _Y B	36, 148, 255
Decimal	2424821
CIE Lab	91.00, -49.77, -9.09
CIE LCh	91, 50.593, 190.347
Yxy	78.4876, 0.2301, 0.3410
Android (android.graphics.Color)	4280614901 (0xFF24FFF5)
YUV	188.3790, 27.9142, -133.6364
Hunter-Lab	88.5932, -48.3292, -4.0516

Details

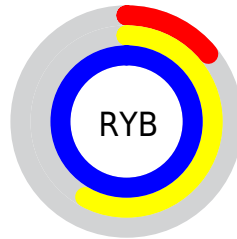
The Yxy color **78.4876, 0.2301, 0.3410** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.7123, 0.6069, 0.3254**, and the grayscale version is **50.3880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **43.6066, 0.2281, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **78.1068, 0.2288, 0.3425**, and if you desaturate by 10%, it is **79.1871, 0.2331, 0.3395**.

Distribution



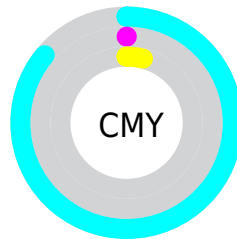
- Red (14%)
- Green (100%)
- Blue (96%)



- Red (14%)
- Yellow (58%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (86%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4876, 0.2301, 0.3410 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 78.4876, 0.2301, 0.3410 by changing the saturation by 10% instead.


 78.4876, 0.2301,
0.3410

 78.4876, 0.2301,
0.3410

489.8212, 0.2668,
0.3365

 58.4746, 0.2221,
0.3418


 131.2373, 0.2425,
0.3397


 42.1903, 0.2124,
0.3426

 164.7427, 0.2475,
0.3391

 29.2504, 0.2005,
0.3434


 203.5145, 0.2518,
0.3385

 19.2703, 0.1855,
0.3442

 247.9369, 0.2555,
0.3381

 11.8657, 0.1661,
0.3446

298.3944, 0.2588,
0.3376

 6.6523, 0.1404,
0.3442


355.2713, 0.2618,


 3.2456, 0.1055,


0.3372


0.3410


418.9521, 0.2645,
0.3369


 1.2613, 0.0000,
0.3498


 0.1109, 0.0000,
0.1279


 78.4876, 0.2301,
0.3410


 78.4876, 0.2301,
0.3410


 78.1068, 0.2288,
0.3425


 79.1871, 0.2331,
0.3395

 78.0109, 0.2286,
0.3431

 80.2756, 0.2379,
0.3379


 81.7976, 0.2447,
0.3364

 83.7941, 0.2535,
0.3349

 86.3015, 0.2640,
0.3335

 89.3524, 0.2761,
0.3321

 92.9770, 0.2895,
0.3308

 97.2030, 0.3039,
0.3296

 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.



78.4876, 0.2741, 0.4000



78.4876, 0.2301, 0.3410



78.4876, 0.2084, 0.2850

Triad

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



78.4876, 0.2301, 0.3410



78.4876, 0.2854, 0.2444



78.4876, 0.4232, 0.3994

Complementary

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



78.4876, 0.2301, 0.3410



22.7123, 0.6069, 0.3254

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.



78.4876, 0.4296, 0.3552



78.4876, 0.2301, 0.3410



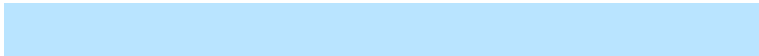
78.4876, 0.3454, 0.2706

Square

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



78.4876, 0.2301, 0.3410



78.4876, 0.2379, 0.2360



78.4876, 0.4004, 0.3098



78.4876, 0.3861, 0.4312

Rectangle

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



78.4876, 0.2301, 0.3410



78.4876, 0.2077, 0.2583



78.4876, 0.4004, 0.3098



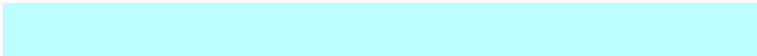
78.4876, 0.4292, 0.3854

Sweetspot

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



78.4840, 0.2301, 0.3410



89.3266, 0.2760, 0.3321



72.2476, 0.3025, 0.5867



18.8801, 0.2717, 0.3326



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.



78.4840, 0.2301, 0.3410



78.0109, 0.2286, 0.3431



31.5060, 0.1905, 0.1953



20.4663, 0.2986, 0.3301



40.7687, 0.2286, 0.3429



3.9738, 0.2281, 0.3411

Inverse Universe

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



22.7123, 0.6069, 0.3254



21.2858, 0.6368, 0.3282



38.5738, 0.5269, 0.4052



18.0005, 0.3287, 0.3280



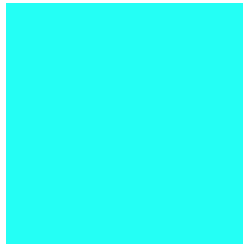
11.1280, 0.6355, 0.3274



1.0880, 0.6246, 0.3215

Previews

White Background



This preview shows how the Yxy color 78.4876, 0.2301, 0.3410 looks on a white background.

Color Contrast Check

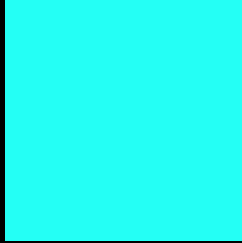
Large Text (above 18pt) WCAG AA × Fail

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 78.4876, 0.2301, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

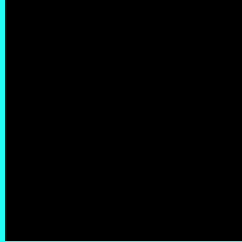
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

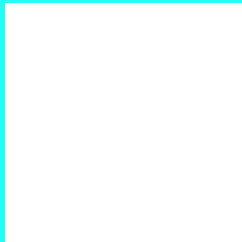
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4876, 0.2301, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 78.4876, 0.2301, 0.3410.

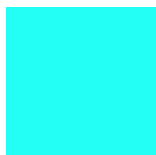


This preview shows how white text looks on a background with the Yxy color 78.4876, 0.2301, 0.3410.

Color Blindness Simulation

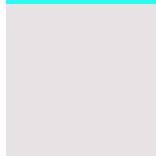
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



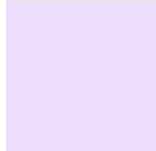
Original Color

78.4876, 0.2301, 0.3410



Protanopia

76.9831, 0.3149, 0.3269



Deuteranopia

76.7457, 0.3038, 0.2976



Tritanopia

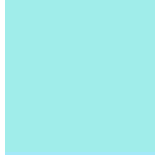
77.6928, 0.2561, 0.3142

Trichromacy



Original Color

78.4876, 0.2301, 0.3410



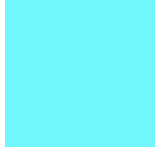
Protanomaly

73.9825, 0.2679, 0.3324



Deuteranomaly

73.0099, 0.2619, 0.3106



Tritanomaly

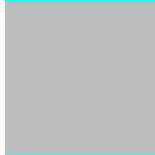
76.9313, 0.2416, 0.3241

Monochromacy



Original Color

78.4876, 0.2301, 0.3410



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.6770, 0.2626, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4876, 0.2301, 0.3410 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(36, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 245)  
}
```

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(36, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 78.4876, 0.2301, 0.3410 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(36, 255, 245) }
```

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

```
.border{ border-color:rgb(36, 255, 245) }
```

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

Here you see how a box with a 4 pixel rgb(36, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4876, 0.2301, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 245) }
```

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

```
.background{ background-color: rgb(36, 255,  
245) }
```

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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