

Converting Colors

$Yxy(78.4333, 0.2384, 0.3565)$

Have a look what the booklet for
Yxy(78.4333, 0.2384, 0.3565)
contains.

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Color

Yxy(78.4600, 0.2382, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	3FFFE9
RGB	63, 255, 233
RGB Percent	25%, 100%, 91%
CMY	0.7535, 0.0000, 0.0862
CMYK	0.75, 0.00, 0.09, 0.00
HSL	173°, 100%, 62%
HSV	173°, 75%, 100%
XYZ	52.5124, 78.4600, 89.4828
YIQ	195.0840, -107.3700, -47.5460

Conversions

Conversions Part 2

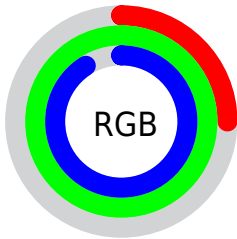
Format	Color
RYB	63, 165, 255
Decimal	4194281
CIELab	90.99, -50.88, -2.87
CIELCh	91, 50.965, 183.231
Yxy	78.4600, 0.2382, 0.3559
Android (android.graphics.Color)	4282384361 (0xFF3FFFE9)
YUV	195.0840, 18.6926, -115.8377
Hunter-Lab	88.5776, -49.1888, 2.1085

Details

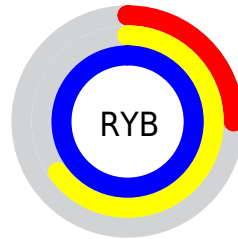
The Yxy color **78.4600, 0.2382, 0.3559** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.4511, 0.5497, 0.3134**, and the grayscale version is **54.5327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **43.1068, 0.2336, 0.3609** is the 20% darker color. If you saturate the color by 10%, you get **77.6389, 0.2356, 0.3599**, and if you desaturate by 10%, it is **79.6642, 0.2427, 0.3519**.

Distribution



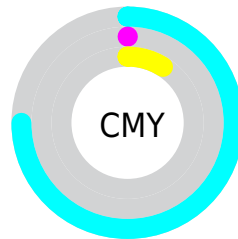
- Red (25%)
- Green (100%)
- Blue (91%)



- Red (25%)
- Yellow (65%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (75%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4600, 0.2382, 0.3559 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 78.4600, 0.2382, 0.3559 by changing the saturation by 10% instead.


 78.4600, 0.2382,
0.3559


 78.4600, 0.2382,
0.3559


489.7276, 0.2717,
0.3441


 58.4519, 0.2308,
0.3584

 131.1984, 0.2496,
0.3519

 42.1721, 0.2218,
0.3615

 164.6975, 0.2541,
0.3503

 29.2361, 0.2107,
0.3652


 203.4624, 0.2580,
0.3490

 19.2595, 0.1965,
0.3699

 247.8775, 0.2614,
0.3477

 11.8579, 0.1780,
0.3758

298.3271, 0.2644,
0.3467

 6.6470, 0.1530,
0.3835


355.1958, 0.2671,


 3.2423, 0.1180,

0.3457

0.3933


418.8678, 0.2695,
0.3449


 1.2595, 0.0000,
0.4342


 0.1095, 0.0000,
0.2550


 78.4600, 0.2382,
0.3559


 78.4600, 0.2382,
0.3559


 77.6389, 0.2356,
0.3599


 79.6642, 0.2427,
0.3519

 77.1536, 0.2349,
0.3639

 81.3106, 0.2492,
0.3479

 77.0019, 0.2349,
0.3657

 83.4360, 0.2575,
0.3440

 86.0765, 0.2676,
0.3403

■ 89.2647, 0.2791,
0.3368

■ 93.0305, 0.2917,
0.3335

■ 97.4017, 0.3052,
0.3305

■ 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.



78.4600, 0.2868, 0.4121



78.4600, 0.2382, 0.3559



78.4600, 0.2107, 0.2965

Triad

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



78.4600, 0.2382, 0.3559



78.4600, 0.2722, 0.2401



78.4600, 0.4287, 0.3899

Complementary

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



78.4600, 0.2382, 0.3559



25.4511, 0.5497, 0.3134

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.



78.4600, 0.4266, 0.3443



78.4600, 0.2382, 0.3559



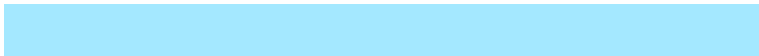
78.4600, 0.3310, 0.2626

Square

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



78.4600, 0.2382, 0.3559



78.4600, 0.2289, 0.2364



78.4600, 0.3896, 0.2994



78.4600, 0.3976, 0.4262

Rectangle

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



78.4600, 0.2382, 0.3559



78.4600, 0.2060, 0.2661



78.4600, 0.3896, 0.2994



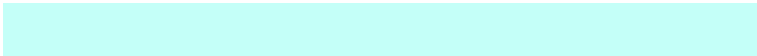
78.4600, 0.4321, 0.3751

Sweetspot

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



78.4562, 0.2382, 0.3559



90.0982, 0.2819, 0.3360



73.8209, 0.3085, 0.5633



19.0138, 0.2775, 0.3372



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.



78.4562, 0.2382, 0.3559



77.3763, 0.2351, 0.3618



41.4584, 0.2051, 0.2318



20.4436, 0.2995, 0.3317



40.2494, 0.2347, 0.3650



3.9287, 0.2335, 0.3605

Inverse Universe

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



25.4511, 0.5497, 0.3134



22.2225, 0.6055, 0.3187



39.3682, 0.5103, 0.3938



18.0208, 0.3276, 0.3263



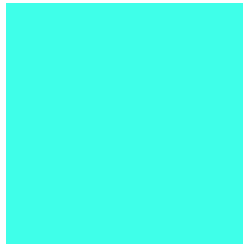
11.1663, 0.6265, 0.3225



1.0976, 0.6033, 0.3097

Previews

White Background



This preview shows how the Yxy color 78.4600, 0.2382, 0.3559 looks on a white background.

Color Contrast Check

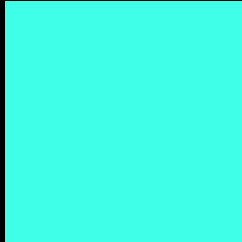
Large Text (above 18pt) WCAG AA × Fail

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 78.4600, 0.2382, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

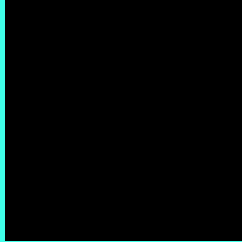
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.4600, 0.2382, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 78.4600, 0.2382, 0.3559.

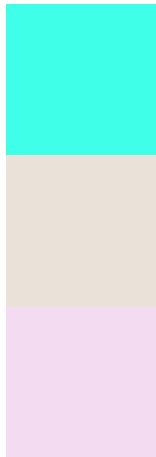


This preview shows how white text looks on a background with the Yxy color 78.4600, 0.2382, 0.3559.

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

78.4600, 0.2382, 0.3559

Protanopia

76.8949, 0.3242, 0.3385

Deuteranopia

76.5920, 0.3151, 0.3077



Tritanopia

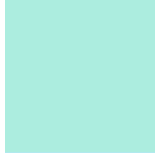
77.8924, 0.2570, 0.3142

Trichromacy



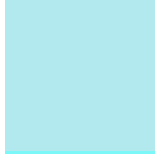
Original Color

78.4600, 0.2382, 0.3559



Protanomaly

74.6667, 0.2802, 0.3452



Deuteranomaly

73.7980, 0.2746, 0.3232



Tritanomaly

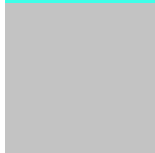
77.4479, 0.2472, 0.3288

Monochromacy



Original Color

78.4600, 0.2382, 0.3559



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

60.4322, 0.2713, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4600, 0.2382, 0.3559 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(63, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 233)  
}
```

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(63, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 78.4600, 0.2382, 0.3559 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(63, 255, 233) }
```

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

```
.border{ border-color:rgb(63, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4600, 0.2382, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 233) }
```

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

```
.background{ background-color: rgb(63, 255,  
233) }
```

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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