

Converting Colors

$Y_{xy}(78.8277, 0.2373, 0.3504)$

Have a look what the booklet for
Yxy(78.8277, 0.2373, 0.3504)
contains.

Yxy(78.8277, 0.2375, 0.3508)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.8277, 0.2375, 0.3508)

Conversions

Conversions Part 1

Format	Color
Hex	43FFED
RGB	67, 255, 237
RGB Percent	26%, 100%, 93%
CMY	0.7365, 0.0000, 0.0706
CMYK	0.74, 0.00, 0.07, 0.00
HSL	174°, 100%, 63%
HSV	174°, 74%, 100%
XYZ	53.3682, 78.8277, 92.5124
YIQ	196.7360, -106.2700, -45.4540

Conversions

Conversions Part 2

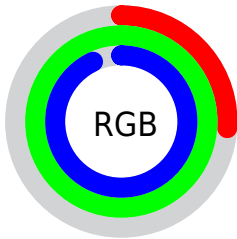
Format	Color
RYB	67, 166, 255
Decimal	4456429
CIELab	91.16, -49.39, -4.68
CIELCh	91, 49.607, 185.408
Yxy	78.8277, 0.2375, 0.3508
Android (android.graphics.Color)	4282646509 (0xFF43FFED)
YUV	196.7360, 19.8502, -113.7785
Hunter-Lab	88.7850, -48.0781, 0.3703

Details

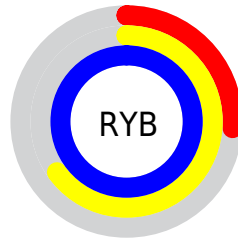
The Yxy color **78.8277, 0.2375, 0.3508** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.9551, 0.5467, 0.3160**, and the grayscale version is **55.6265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **43.2687, 0.2317, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **77.9745, 0.2345, 0.3541**, and if you desaturate by 10%, it is **80.0856, 0.2425, 0.3475**.

Distribution



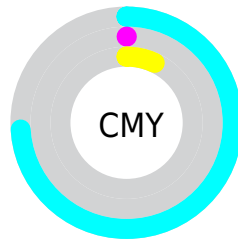
- Red (26%)
- Green (100%)
- Blue (93%)



- Red (26%)
- Yellow (65%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (74%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8277, 0.2375, 0.3508 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 78.8277, 0.2375, 0.3508 by changing the saturation by 10% instead.


 78.8277, 0.2375,
0.3508


 78.8277, 0.2375,
0.3508


490.9733, 0.2712,
0.3415


 58.7542, 0.2301,
0.3527


 131.7163, 0.2490,
0.3477

 42.4152, 0.2211,
0.3551


 165.3001, 0.2535,
0.3465

 29.4266, 0.2100,
0.3578


 204.1561, 0.2574,
0.3454

 19.4038, 0.1959,
0.3612

 248.6687, 0.2608,
0.3444

 11.9624, 0.1775,
0.3654

299.2224, 0.2639,
0.3435

 6.7181, 0.1527,
0.3704


356.2014, 0.2666,


 3.2864, 0.1182,

0.3428

0.3760


419.9903, 0.2690,
0.3421


 1.2830, 0.0000,
0.4084


 0.1280, 0.0000,
0.2154


 78.8277, 0.2375,
0.3508


 78.8277, 0.2375,
0.3508


 77.9745, 0.2345,
0.3541


 80.0856, 0.2425,
0.3475

 77.4606, 0.2333,
0.3574

 81.7852, 0.2494,
0.3442

 77.2608, 0.2332,
0.3595

 83.9695, 0.2582,
0.3410

 86.6739, 0.2687,
0.3379

89.9303, 0.2806,
0.3350

93.7684, 0.2936,
0.3323

98.2155, 0.3075,
0.3298

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



78.8277, 0.2837, 0.4063



78.8277, 0.2375, 0.3508



78.8277, 0.2122, 0.2939

Triad

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



78.8277, 0.2375, 0.3508



78.8277, 0.2771, 0.2433



78.8277, 0.4243, 0.3916

Complementary

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



78.8277, 0.2375, 0.3508



25.9551, 0.5467, 0.3160

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.



78.8277, 0.4248, 0.3474



78.8277, 0.2375, 0.3508



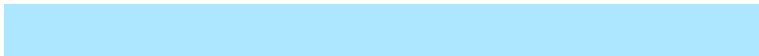
78.8277, 0.3349, 0.2664

Square

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



78.8277, 0.2375, 0.3508



78.8277, 0.2335, 0.2383



78.8277, 0.3910, 0.3033



78.8277, 0.3923, 0.4255

Rectangle

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



78.8277, 0.2375, 0.3508



78.8277, 0.2088, 0.2653



78.8277, 0.3910, 0.3033



78.8277, 0.4284, 0.3774

Sweetspot

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



78.8307, 0.2375, 0.3508



90.5268, 0.2827, 0.3346



73.9015, 0.3077, 0.5600



19.1698, 0.2793, 0.3353



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.



78.8307, 0.2375, 0.3508



77.7160, 0.2338, 0.3556



41.0110, 0.2057, 0.2300



20.4497, 0.2993, 0.3313



40.3845, 0.2330, 0.3589



3.9405, 0.2320, 0.3552

Inverse Universe

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



25.9551, 0.5467, 0.3160



22.4682, 0.6034, 0.3202



41.1056, 0.5016, 0.3967



18.0154, 0.3279, 0.3268



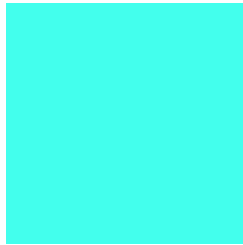
11.1536, 0.6294, 0.3241



1.0950, 0.6088, 0.3128

Previews

White Background



This preview shows how the Yxy color 78.8277, 0.2375, 0.3508 looks on a white background.

Color Contrast Check

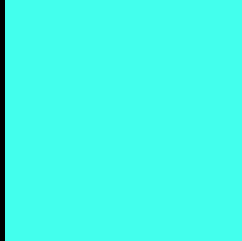
Large Text (above 18pt) WCAG AA × Fail

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 78.8277, 0.2375, 0.3508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

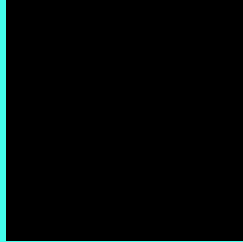
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

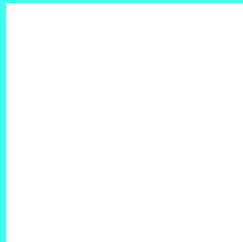
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8277, 0.2375, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 78.8277, 0.2375, 0.3508.

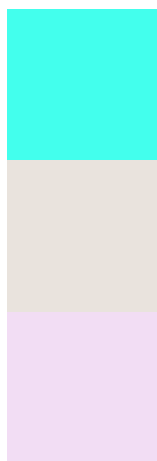


This preview shows how white text looks on a background with the Yxy color 78.8277, 0.2375, 0.3508.

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

78.8277, 0.2375, 0.3508

Protanopia

77.4823, 0.3208, 0.3353

Deuteranopia

77.1218, 0.3124, 0.3057



Tritanopia

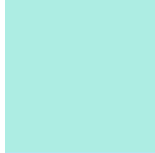
78.1978, 0.2584, 0.3143

Trichromacy



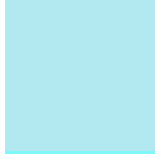
Original Color

78.8277, 0.2375, 0.3508



Protanomaly

74.9987, 0.2786, 0.3404



Deuteranomaly

74.0937, 0.2736, 0.3199



Tritanomaly

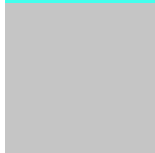
77.7345, 0.2479, 0.3276

Monochromacy



Original Color

78.8277, 0.2375, 0.3508



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.3803, 0.2715, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8277, 0.2375, 0.3508 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(67, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(67, 255, 237)  
}
```

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(67, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 78.8277, 0.2375, 0.3508 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(67, 255, 237) }
```

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

```
.border{ border-color:rgb(67, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(67, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8277, 0.2375, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 255, 237) }
```

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

```
.background{ background-color: rgb(67, 255,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor