

Converting Colors

$Y_{xy}(77.7683, 0.2269, 0.3368)$

Have a look what the booklet for
Yxy(77.7683, 0.2269, 0.3368)
contains.

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Color

Yxy(77.6609, 0.2267, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	00FEF8
RGB	0, 254, 248
RGB Percent	0%, 100%, 97%
CMY	0.9999, 0.0039, 0.0275
CMYK	1.00, 0.00, 0.02, 0.00
HSL	179°, 100%, 50%
HSV	179°, 100%, 100%
XYZ	52.3824, 77.6609, 101.0216
YIQ	177.3700, -149.4580, -55.7140

Conversions

Conversions Part 2

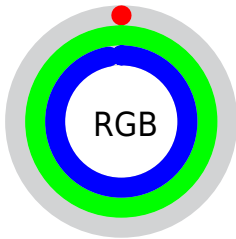
Format	Color
R _Y B	0, 129, 254
Decimal	65272
CIE Lab	90.62, -49.65, -11.23
CIE LCh	91, 50.906, 192.744
Yxy	77.6609, 0.2267, 0.3361
Android (android.graphics.Color)	4278255352 (0xFF00FEF8)
YUV	177.3700, 34.8206, -155.5535
Hunter-Lab	88.1254, -48.1178, -6.2786

Details

The Yxy color **77.6609, 0.2267, 0.3361** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.0857, 0.6384, 0.3290**, and the grayscale version is **44.0480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **43.2856, 0.2264, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **77.6636, 0.2267, 0.3361**, and if you desaturate by 10%, it is **77.9132, 0.2276, 0.3353**.

Distribution



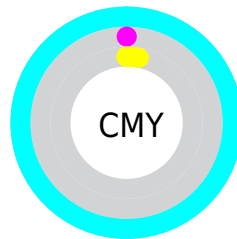
- Red (0%)
- Green (100%)
- Blue (97%)



- Red (0%)
- Yellow (51%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6609, 0.2267, 0.3361 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 77.6609, 0.2267, 0.3361 by changing the saturation by 10% instead.

 77.6609, 0.2267,
0.3361


 77.6609, 0.2267,
0.3361

487.0144, 0.2649,
0.3340


 57.7955, 0.2184,
0.3363


 130.0720, 0.2396,
0.3356


 41.6442, 0.2084,
0.3364


 163.3864, 0.2447,
0.3354

 28.8228, 0.1961,
0.3363

 201.9527, 0.2492,
0.3351

 18.9468, 0.1806,
0.3358

 246.1551, 0.2531,
0.3349

 11.6319, 0.1607,
0.3345

296.3781, 0.2566,
0.3346

 6.4935, 0.1345,
0.3314


353.0060, 0.2596,


 3.1474, 0.0992,


0.3344


0.3241


416.4233, 0.2624,
0.3342


 1.2092, 0.0000,
0.3226


 0.0692, 0.0000,
0.0744


 77.6609, 0.2267,
0.3361


 77.6609, 0.2267,
0.3361

 77.6636, 0.2267,
0.3361


 77.9132, 0.2276,
0.3353


 78.4379, 0.2300,
0.3346


 79.3221, 0.2342,
0.3338

 80.6171, 0.2404,
0.3330

 82.3662, 0.2485,
0.3323

 84.6069, 0.2585,
0.3315

 87.3730, 0.2702,
0.3308

 90.6952, 0.2833,
0.3302

 94.6021, 0.2976,
0.3296

Harmonies

Analogous

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



77.6609, 0.2695, 0.3966



77.6609, 0.2267, 0.3361



77.6609, 0.2069, 0.2807

Triad

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



77.6609, 0.2267, 0.3361



77.6609, 0.2896, 0.2452



77.6609, 0.4222, 0.4031

Complementary

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



77.6609, 0.2267, 0.3361



21.0857, 0.6384, 0.3290

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.



77.6609, 0.4315, 0.3591



77.6609, 0.2267, 0.3361



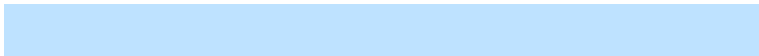
77.6609, 0.3507, 0.2729

Square

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



77.6609, 0.2267, 0.3361



77.6609, 0.2403, 0.2351



77.6609, 0.4048, 0.3131



77.6609, 0.3827, 0.4337

Rectangle

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



77.6609, 0.2267, 0.3361



77.6609, 0.2074, 0.2551



77.6609, 0.4048, 0.3131



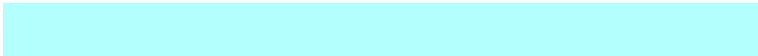
77.6609, 0.4292, 0.3893

Sweetspot

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



77.6638, 0.2267, 0.3361



88.1480, 0.2702, 0.3308



70.9422, 0.3005, 0.5996



18.6012, 0.2651, 0.3311



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.



77.6638, 0.2267, 0.3361



78.3567, 0.2267, 0.3361



24.6188, 0.1794, 0.1659



20.4736, 0.2983, 0.3295



40.9464, 0.2267, 0.3360



3.9891, 0.2264, 0.3351

Inverse Universe

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



21.0857, 0.6384, 0.3290



21.2732, 0.6384, 0.3290



34.1585, 0.5535, 0.3987



17.9940, 0.3291, 0.3285



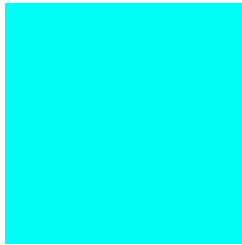
11.1187, 0.6377, 0.3286



1.0849, 0.6320, 0.3255

Previews

White Background



This preview shows how the Yxy color 77.6609, 0.2267, 0.3361 looks on a white background.

Color Contrast Check

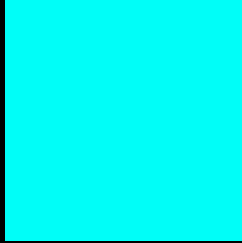
Large Text (above 18pt) WCAG AA × Fail

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 77.6609, 0.2267, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

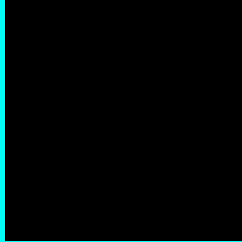
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6609, 0.2267, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 77.6609, 0.2267, 0.3361.

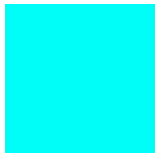


This preview shows how white text looks on a background with the Yxy color 77.6609, 0.2267, 0.3361.

Color Blindness Simulation

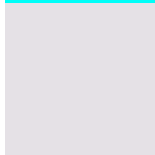
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



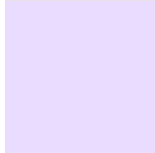
Original Color

77.6609, 0.2267, 0.3361



Protanopia

76.2216, 0.3123, 0.3237



Deuteranopia

75.8988, 0.2999, 0.2935



Tritanopia

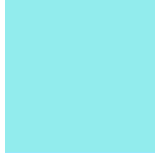
77.2083, 0.2538, 0.3141

Trichromacy



Original Color

77.6609, 0.2267, 0.3361



Protanomaly

72.2163, 0.2592, 0.3277



Deuteranomaly

71.1311, 0.2528, 0.3057



Tritanomaly

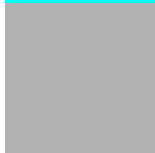
75.3727, 0.2357, 0.3216

Monochromacy



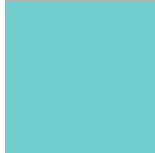
Original Color

77.6609, 0.2267, 0.3361



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

51.4852, 0.2539, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6609, 0.2267, 0.3361 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(0, 254, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 248)  
}
```

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(0, 254, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 248) }
```

Border

The CSS property to change the border of an element to Yxy 77.6609, 0.2267, 0.3361 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(0, 254, 248) }
```

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

```
.border{ border-color:rgb(0, 254, 248) }
```

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

Here you see how a box with a 4 pixel rgb(0, 254, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6609, 0.2267, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 248) }
```

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

```
.background{ background-color: rgb(0, 254,  
248) }
```

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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