

Converting Colors

$Y_{xy}(78.2647, 0.2272, 0.3379)$

Have a look what the booklet for
Yxy(78.2647, 0.2272, 0.3379)
contains.

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Color

Yxy(78.2354, 0.2274, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	01FFF7
RGB	1, 255, 247
RGB Percent	0%, 100%, 97%
CMY	0.9962, 0.0000, 0.0313
CMYK	1.00, 0.00, 0.03, 0.00
HSL	178°, 100%, 50%
HSV	178°, 100%, 100%
XYZ	52.5575, 78.2354, 100.3308
YIQ	178.1420, -148.8160, -56.3360

Conversions

Conversions Part 2

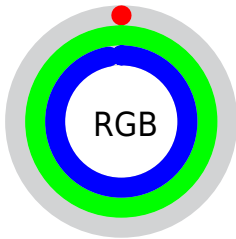
Format	Color
R _Y B	1, 130, 255
Decimal	131063
CIE Lab	90.89, -50.33, -10.33
CIE LCh	91, 51.375, 191.602
Yxy	78.2354, 0.2274, 0.3385
Android (android.graphics.Color)	4278321143 (0xFF01FFF7)
YUV	178.1420, 33.9470, -155.3535
Hunter-Lab	88.4508, -48.7240, -5.3379

Details

The Yxy color **78.2354, 0.2274, 0.3385** 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 **21.2997, 0.6374, 0.3288**, and the grayscale version is **44.4698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **43.6941, 0.2273, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **78.2301, 0.2274, 0.3385**, and if you desaturate by 10%, it is **78.5076, 0.2283, 0.3375**.

Distribution



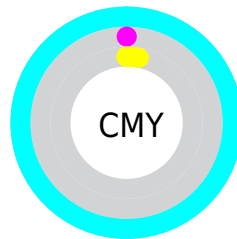
- Red (0%)
- Green (100%)
- Blue (97%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2354, 0.2274, 0.3385 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 78.2354, 0.2274, 0.3385 by changing the saturation by 10% instead.

 78.2354, 0.2274,
0.3385

 78.2354, 0.2274,
0.3385


488.9659, 0.2653,
0.3353


 58.2674, 0.2192,
0.3390


 130.8819, 0.2402,
0.3376

 42.0236, 0.2092,
0.3394


 164.3292, 0.2453,
0.3372

 29.1198, 0.1970,
0.3397


 203.0383, 0.2497,
0.3368

 19.1715, 0.1816,
0.3398

 247.3937, 0.2536,
0.3365

 11.7942, 0.1619,
0.3393

297.7798, 0.2570,
0.3361

 6.6037, 0.1358,
0.3373

354.5809, 0.2601,


 3.2155, 0.1007,

0.3358

0.3318


418.1815, 0.2628,
0.3355

 1.2453, 0.0000,
0.3343

 0.0982, 0.0000,
0.1059


 78.2354, 0.2274,
0.3385


 78.2354, 0.2274,
0.3385


 78.2301, 0.2274,
0.3385


 78.5076, 0.2283,
0.3375


 79.0608, 0.2307,
0.3365


 79.9790, 0.2349,
0.3354


 81.3137, 0.2411,
0.3344

 83.1081, 0.2493,
0.3334

 85.4001, 0.2593,
0.3324

 88.2237, 0.2710,
0.3314

 91.6098, 0.2840,
0.3305

 95.5870, 0.2983,
0.3297

Harmonies

Analogous

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



78.2354, 0.2712, 0.3991



78.2354, 0.2274, 0.3385



78.2354, 0.2065, 0.2821

Triad

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



78.2354, 0.2274, 0.3385



78.2354, 0.2873, 0.2440



78.2354, 0.4239, 0.4020

Complementary

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



78.2354, 0.2274, 0.3385



21.2997, 0.6374, 0.3288

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.



78.2354, 0.4320, 0.3574



78.2354, 0.2274, 0.3385



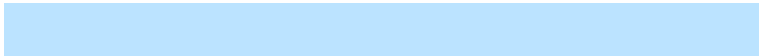
78.2354, 0.3485, 0.2712

Square

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



78.2354, 0.2274, 0.3385



78.2354, 0.2383, 0.2346



78.2354, 0.4037, 0.3112



78.2354, 0.3850, 0.4336

Rectangle

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



78.2354, 0.2274, 0.3385



78.2354, 0.2065, 0.2558



78.2354, 0.4037, 0.3112



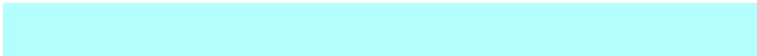
78.2354, 0.4305, 0.3879

Sweetspot

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



78.2383, 0.2274, 0.3385



88.1103, 0.2705, 0.3315



71.5793, 0.3005, 0.5994



18.5920, 0.2654, 0.3319



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.



78.2383, 0.2274, 0.3385



78.2343, 0.2274, 0.3385



24.9617, 0.1797, 0.1665



20.4710, 0.2984, 0.3297



40.8835, 0.2273, 0.3384



3.9837, 0.2270, 0.3372

Inverse Universe

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



21.2997, 0.6374, 0.3288



21.2776, 0.6379, 0.3287



34.5780, 0.5528, 0.3990



17.9963, 0.3290, 0.3283



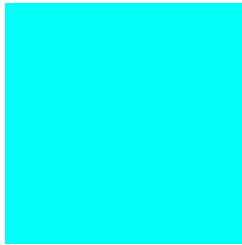
11.1220, 0.6369, 0.3282



1.0860, 0.6294, 0.3241

Previews

White Background



This preview shows how the Yxy color 78.2354, 0.2274, 0.3385 looks on a white background.

Color Contrast Check

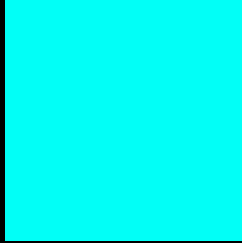
Large Text (above 18pt) WCAG AA × Fail

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 78.2354, 0.2274, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

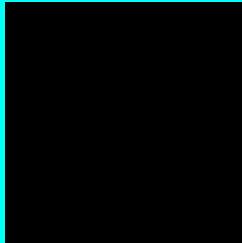
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

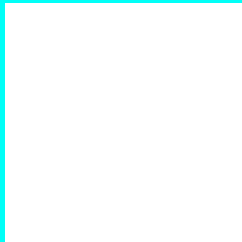
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2354, 0.2274, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 78.2354, 0.2274, 0.3385.

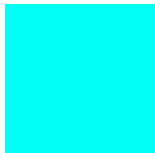


This preview shows how white text looks on a background with the Yxy color 78.2354, 0.2274, 0.3385.

Color Blindness Simulation

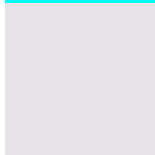
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



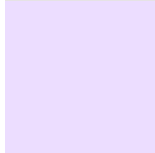
Original Color

78.2419, 0.2274, 0.3385



Protanopia

76.8728, 0.3136, 0.3259



Deuteranopia

76.7658, 0.3013, 0.2946



Tritanopia

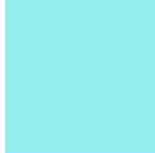
77.4966, 0.2551, 0.3142

Trichromacy



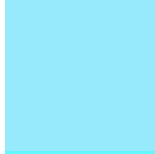
Original Color

78.2419, 0.2274, 0.3385



Protanomaly

72.8275, 0.2604, 0.3300



Deuteranomaly

71.8854, 0.2539, 0.3069



Tritanomaly

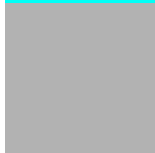
76.1465, 0.2369, 0.3228

Monochromacy



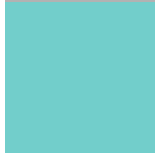
Original Color

78.2419, 0.2274, 0.3385



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

52.0318, 0.2546, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2354, 0.2274, 0.3385 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(1, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 247)  
}
```

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(1, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 78.2354, 0.2274, 0.3385 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(1, 255, 247) }
```

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

```
.border{ border-color:rgb(1, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(1, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2354, 0.2274, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 247) }
```

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

```
.background{ background-color: rgb(1, 255,  
247) }
```

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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