

Converting Colors

$Y_{xy}(78.7051, 0.2271, 0.3334)$

Have a look what the booklet for
Yxy(78.7051, 0.2271, 0.3334)
contains.

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Color

Yxy(78.7046, 0.2272, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	1AFFFB
RGB	26, 255, 251
RGB Percent	10%, 100%, 98%
CMY	0.8967, 0.0000, 0.0157
CMYK	0.90, 0.00, 0.02, 0.00
HSL	179°, 100%, 55%
HSV	179°, 90%, 100%
XYZ	53.6022, 78.7046, 103.6183
YIQ	186.0730, -135.2000, -49.7920

Conversions

Conversions Part 2

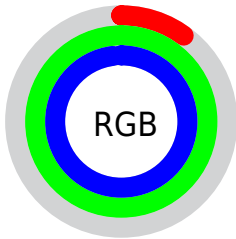
Format	Color
R _Y B	26, 142, 255
Decimal	1769467
CIE Lab	91.10, -48.54, -12.07
CIE LCh	91, 50.021, 193.960
Yxy	78.7046, 0.2272, 0.3336
Android (android.graphics.Color)	4279959547 (0xFF1AFFFB)
YUV	186.0730, 32.0090, -140.3840
Hunter-Lab	88.7156, -47.4022, -7.1488

Details

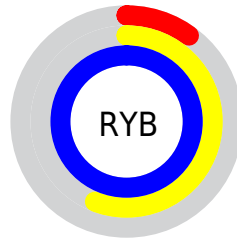
The Yxy color **78.7046, 0.2272, 0.3336** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.1095, 0.6221, 0.3286**, and the grayscale version is **49.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **43.8726, 0.2255, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **78.4606, 0.2262, 0.3342**, and if you desaturate by 10%, it is **79.2376, 0.2297, 0.3330**.

Distribution



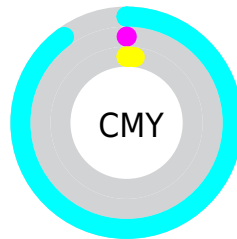
- Red (10%)
- Green (100%)
- Blue (98%)



- Red (10%)
- Yellow (56%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7046, 0.2272, 0.3336 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 78.7046, 0.2272, 0.3336 by changing the saturation by 10% instead.


 78.7046, 0.2272,
0.3336


 78.7046, 0.2272,
0.3336


490.5564, 0.2651,
0.3327

 58.6530, 0.2190,
0.3335

 131.5429, 0.2400,
0.3335


 42.3338, 0.2091,
0.3333

 165.0984, 0.2451,
0.3334

 29.3628, 0.1970,
0.3328


 203.9239, 0.2495,
0.3333

 19.3554, 0.1817,
0.3318


 248.4039, 0.2533,
0.3332

 11.9274, 0.1622,
0.3298

298.9228, 0.2568,
0.3331

 6.6942, 0.1364,
0.3259

355.8649, 0.2598,

 3.2716, 0.1019,

0.3329

0.3175

419.6146, 0.2626,
0.3328

1.2751, 0.0000,
0.3156

0.1218, 0.0000,
0.1109

78.7046, 0.2272,
0.3336

78.7046, 0.2272,
0.3336

78.4606, 0.2262,
0.3342

79.2376, 0.2297,
0.3330

78.4542, 0.2262,
0.3342

80.1321, 0.2340,
0.3325

81.4427, 0.2403,
0.3319

83.2127, 0.2485,
0.3313

85.4801, 0.2586,
0.3308

88.2787, 0.2704,
0.3303

91.6395, 0.2836,
0.3298

95.5913, 0.2980,
0.3294

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



78.7046, 0.2685, 0.3928



78.7046, 0.2272, 0.3336



78.7046, 0.2086, 0.2801

Triad

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



78.7046, 0.2272, 0.3336



78.7046, 0.2925, 0.2476



78.7046, 0.4189, 0.4034

Complementary

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



78.7046, 0.2272, 0.3336



22.1095, 0.6221, 0.3286

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.



78.7046, 0.4293, 0.3606



78.7046, 0.2272, 0.3336



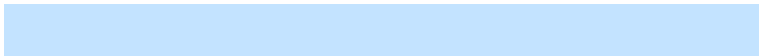
78.7046, 0.3523, 0.2754

Square

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



78.7046, 0.2272, 0.3336



78.7046, 0.2434, 0.2370



78.7046, 0.4045, 0.3153



78.7046, 0.3794, 0.4322

Rectangle

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



78.7046, 0.2272, 0.3336



78.7046, 0.2098, 0.2555



78.7046, 0.4045, 0.3153



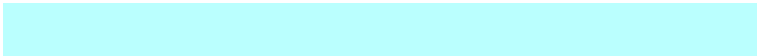
78.7046, 0.4261, 0.3900

Sweetspot

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



78.7075, 0.2272, 0.3336



89.1203, 0.2738, 0.3302



71.9350, 0.3013, 0.5921



18.8467, 0.2695, 0.3303



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.



78.7075, 0.2272, 0.3336



78.4549, 0.2262, 0.3342



28.7160, 0.1861, 0.1835



20.4756, 0.2982, 0.3294



40.9969, 0.2261, 0.3341



3.9934, 0.2260, 0.3334

Inverse Universe

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



22.1095, 0.6221, 0.3286



21.2698, 0.6388, 0.3293



38.1246, 0.5319, 0.4070



17.9922, 0.3292, 0.3286



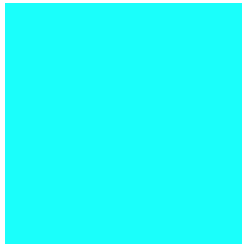
11.1162, 0.6383, 0.3290



1.0841, 0.6340, 0.3266

Previews

White Background



This preview shows how the Yxy color 78.7046, 0.2272, 0.3336 looks on a white background.

Color Contrast Check

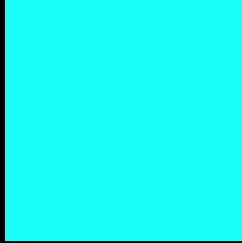
Large Text (above 18pt) WCAG AA × Fail

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 78.7046, 0.2272, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

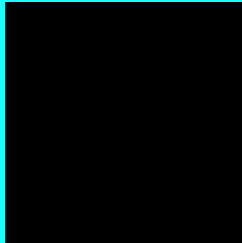
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

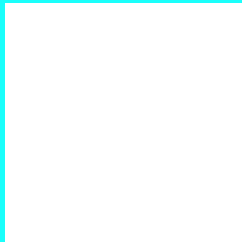
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7046, 0.2272, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 78.7046, 0.2272, 0.3336.

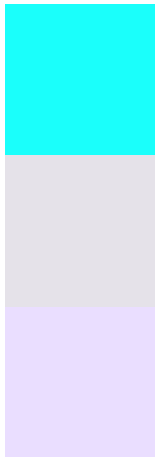


This preview shows how white text looks on a background with the Yxy color 78.7046, 0.2272, 0.3336.

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

78.7046, 0.2272, 0.3336

Protanopia

76.9339, 0.3103, 0.3217

Deuteranopia

76.9550, 0.2999, 0.2955



Tritanopia

77.7922, 0.2565, 0.3142

Trichromacy



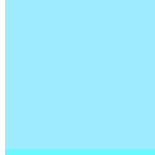
Original Color

78.7046, 0.2272, 0.3336



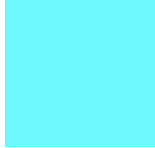
Protanomaly

73.8282, 0.2624, 0.3254



Deuteranomaly

73.2705, 0.2566, 0.3061



Tritanomaly

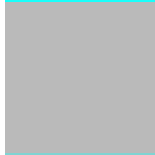
76.9285, 0.2394, 0.3206

Monochromacy



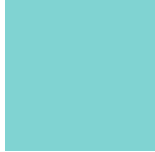
Original Color

78.7046, 0.2272, 0.3336



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.8309, 0.2592, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7046, 0.2272, 0.3336 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(26, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 251)  
}
```

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(26, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 78.7046, 0.2272, 0.3336 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(26, 255, 251) }
```

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

```
.border{ border-color:rgb(26, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7046, 0.2272, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 251) }
```

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

```
.background{ background-color: rgb(26, 255,  
251) }
```

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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