

Converting Colors

$Yxy(78.6844, 0.2300, 0.3388)$

Have a look what the booklet for
Yxy(78.6844, 0.2300, 0.3388)
contains.

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Color

Yxy(78.7068, 0.2299, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	29FFF7
RGB	41, 255, 247
RGB Percent	16%, 100%, 97%
CMY	0.8398, 0.0000, 0.0314
CMYK	0.84, 0.00, 0.03, 0.00
HSL	178°, 100%, 58%
HSV	178°, 84%, 100%
XYZ	53.4555, 78.7068, 100.3541
YIQ	190.1020, -124.9760, -47.8560

Conversions

Conversions Part 2

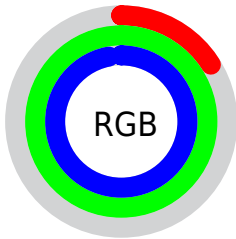
Format	Color
RYB	41, 150, 255
Decimal	2752503
CIELab	91.10, -48.92, -9.98
CIElCh	91, 49.932, 191.527
Yxy	78.7068, 0.2299, 0.3385
Android (android.graphics.Color)	4280942583 (0xFF29FFF7)
YUV	190.1020, 28.0507, -130.7625
Hunter-Lab	88.7169, -47.7010, -4.9654

Details

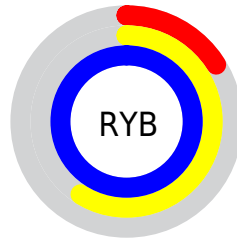
The Yxy color **78.7068, 0.2299, 0.3385** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.0565, 0.6020, 0.3260**, and the grayscale version is **51.4157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **43.6941, 0.2273, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **78.2800, 0.2283, 0.3397**, and if you desaturate by 10%, it is **79.4640, 0.2333, 0.3372**.

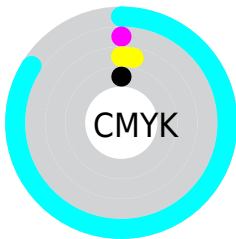
Distribution



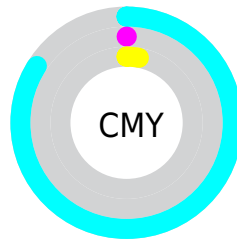
- Red (16%)
- Green (100%)
- Blue (97%)



- Red (16%)
- Yellow (59%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7068, 0.2299, 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 78.7068, 0.2299, 0.3385 by changing the saturation by 10% instead.


 78.7068, 0.2299,
0.3385


 78.7068, 0.2299,
0.3385


490.5639, 0.2667,
0.3352

 58.6548, 0.2219,
0.3390


 131.5460, 0.2423,
0.3376

 42.3353, 0.2122,
0.3395


 165.1020, 0.2473,
0.3372

 29.3639, 0.2003,
0.3399


 203.9281, 0.2516,
0.3368

 19.3563, 0.1854,
0.3401

 248.4087, 0.2553,
0.3364

 11.9280, 0.1661,
0.3397

298.9281, 0.2587,
0.3361

 6.6947, 0.1405,
0.3382

355.8709, 0.2616,

 3.2719, 0.1059,

0.3358

419.6214, 0.2643,
0.3355

0.3334

1.2753, 0.0000,
0.3395

0.1219, 0.0000,
0.1280

78.7068, 0.2299,
0.3385

78.7068, 0.2299,
0.3385

78.2800, 0.2283,
0.3397


79.4640, 0.2333,
0.3372

78.1402, 0.2279,
0.3404


80.6206, 0.2386,
0.3360


82.2190, 0.2458,
0.3348


84.2991, 0.2550,
0.3336

 86.8966, 0.2659,
0.3324

 90.0435, 0.2784,
0.3313

 93.7694, 0.2921,
0.3303

 98.1018, 0.3067,
0.3294

 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.



78.7068, 0.2727, 0.3970



78.7068, 0.2299, 0.3385



78.7068, 0.2094, 0.2838

Triad

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



78.7068, 0.2299, 0.3385



78.7068, 0.2880, 0.2461



78.7068, 0.4208, 0.4001

Complementary

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



78.7068, 0.2299, 0.3385



23.0565, 0.6020, 0.3260

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.



78.7068, 0.4284, 0.3568



78.7068, 0.2299, 0.3385



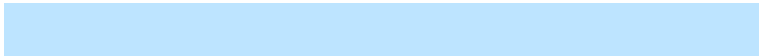
78.7068, 0.3474, 0.2727

Square

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



78.7068, 0.2299, 0.3385



78.7068, 0.2403, 0.2371



78.7068, 0.4009, 0.3118



78.7068, 0.3833, 0.4306

Rectangle

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



78.7068, 0.2299, 0.3385



78.7068, 0.2092, 0.2580



78.7068, 0.4009, 0.3118



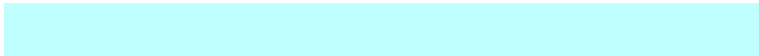
78.7068, 0.4271, 0.3865

Sweetspot

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



78.7027, 0.2299, 0.3385



89.6960, 0.2770, 0.3314



72.3976, 0.3028, 0.5837



18.9526, 0.2726, 0.3318



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.



78.7027, 0.2299, 0.3385



78.1402, 0.2279, 0.3404



32.3591, 0.1922, 0.1987



20.4690, 0.2985, 0.3299



40.8352, 0.2279, 0.3402



3.9795, 0.2275, 0.3388

Inverse Universe

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



23.0565, 0.6020, 0.3260



21.2809, 0.6374, 0.3285



39.3730, 0.5218, 0.4059



17.9981, 0.3289, 0.3282



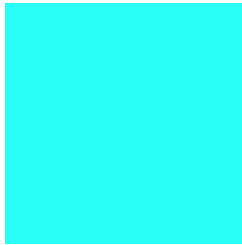
11.1245, 0.6363, 0.3279



1.0869, 0.6274, 0.3230

Previews

White Background



This preview shows how the Yxy color 78.7068, 0.2299, 0.3385 looks on a white background.

Color Contrast Check

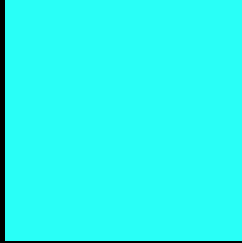
Large Text (above 18pt) WCAG AA × Fail

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 78.7068, 0.2299, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

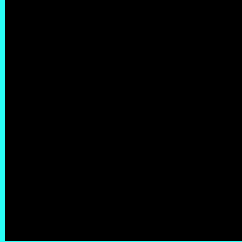
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

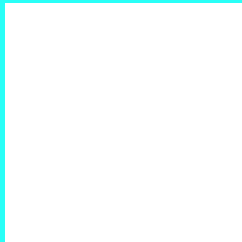
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7068, 0.2299, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 78.7068, 0.2299, 0.3385.

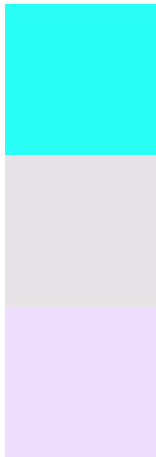


This preview shows how white text looks on a background with the Yxy color 78.7068, 0.2299, 0.3385.

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

78.7068, 0.2299, 0.3385

Protanopia

76.9289, 0.3129, 0.3248

Deuteranopia

76.8732, 0.3026, 0.2957



Tritanopia

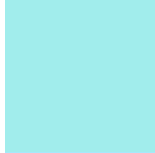
77.8924, 0.2570, 0.3142

Trichromacy



Original Color

78.7068, 0.2299, 0.3385



Protanomaly

74.2016, 0.2674, 0.3300



Deuteranomaly

73.3499, 0.2619, 0.3085



Tritanomaly

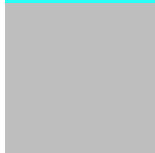
77.1946, 0.2422, 0.3229

Monochromacy



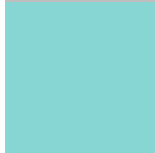
Original Color

78.7068, 0.2299, 0.3385



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

58.0305, 0.2635, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7068, 0.2299, 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(41, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(41, 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(41, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 78.7068, 0.2299, 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(41, 255, 247) }
```

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

```
.border{ border-color:rgb(41, 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(41, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7068, 0.2299, 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(41, 255, 247) }
```

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

```
.background{ background-color: rgb(41, 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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