

Converting Colors

$Yxy(76.9194, 0.2302, 0.3286)$

Have a look what the booklet for
Yxy(76.9194, 0.2302, 0.3286)
contains.

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Color

Yxy(76.9835, 0.2302, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	3EFBFB
RGB	62, 251, 251
RGB Percent	24%, 98%, 98%
CMY	0.7563, 0.0157, 0.0158
CMYK	0.75, 0.00, 0.00, 0.02
HSL	180°, 96%, 61%
HSV	180°, 75%, 98%
XYZ	53.8978, 76.9835, 103.2534
YIQ	194.4890, -112.6440, -40.0680

Conversions

Conversions Part 2

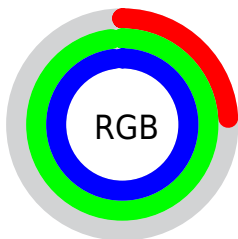
Format	Color
RYB	62, 157, 251
Decimal	4127739
CIELab	90.31, -44.40, -13.19
CIELCh	90, 46.314, 196.549
Yxy	76.9835, 0.2302, 0.3288
Android (android.graphics.Color)	4282317819 (0xFF3EFBFB)
YUV	194.4890, 27.8599, -116.1929
Hunter-Lab	87.7402, -43.8949, -8.3548

Details

The Yxy color **76.9835, 0.2302, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.3208, 0.5747, 0.3298**, and the grayscale version is **54.1606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **42.5237, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **76.3513, 0.2268, 0.3288**, and if you desaturate by 10%, it is **77.9960, 0.2355, 0.3288**.

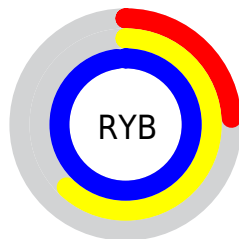
Distribution



Red (24%)

Green (98%)

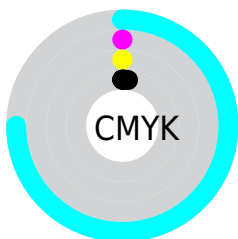
Blue (98%)



Red (24%)

Yellow (62%)

Blue (98%)

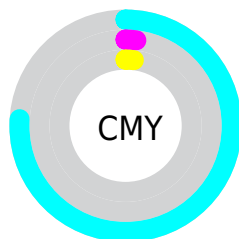


Cyan (75%)

Magenta (0%)

Yellow (0%)

Black (2%)



Cyan (76%)


Magenta (2%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9835, 0.2302, 0.3288 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 76.9835, 0.2302, 0.3288 by changing the saturation by 10% instead.


 76.9835, 0.2302,
0.3288

 76.9835, 0.2302,
0.3288

484.7078, 0.2669,
0.3301


 57.2393, 0.2222,
0.3282


 129.1162, 0.2426,
0.3295


 41.1974, 0.2126,
0.3274


 162.2735, 0.2475,
0.3296

 28.4734, 0.2007,
0.3262


 200.6707, 0.2518,
0.3298

 18.6828, 0.1858,
0.3243

 244.6920, 0.2556,
0.3299

 11.4413, 0.1665,
0.3211

294.7220, 0.2589,
0.3300

 6.3645, 0.1410,
0.3155


351.1451, 0.2618,


 3.0680, 0.1065,


0.3300


414.3455, 0.2645,
0.3300


0.3047


 1.1673, 0.0004,
0.2991


 0.0348, 0.0000,
0.0349


 76.9835, 0.2302,
0.3288

 76.9835, 0.2302,
0.3288


 76.3513, 0.2268,
0.3288


 77.9960, 0.2355,
0.3288

 76.0346, 0.2251,
0.3288

 79.4258, 0.2427,
0.3288


 75.9566, 0.2247,
0.3288


 81.3148, 0.2519,
0.3288

 83.6978, 0.2629,
0.3289

 86.6060, 0.2756,
0.3289

 90.0681, 0.2895,
0.3289

 94.1109, 0.3045,
0.3290

 97.2199, 0.3152,
0.3290

 97.2202, 0.3152,
0.3290

Harmonies

Analogous

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



76.9835, 0.2675, 0.3839



76.9835, 0.2302, 0.3288



76.9835, 0.2145, 0.2801

Triad

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



76.9835, 0.2302, 0.3288



76.9835, 0.2986, 0.2541



76.9835, 0.4099, 0.4022

Complementary

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



76.9835, 0.2302, 0.3288



24.3208, 0.5747, 0.3298

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.



76.9835, 0.4220, 0.3629



76.9835, 0.2302, 0.3288



76.9835, 0.3546, 0.2816

Square

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



76.9835, 0.2302, 0.3288



76.9835, 0.2511, 0.2426



76.9835, 0.4014, 0.3200



76.9835, 0.3714, 0.4265

Rectangle

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



76.9835, 0.2302, 0.3288



76.9835, 0.2168, 0.2580



76.9835, 0.4014, 0.3200



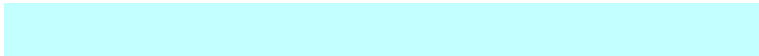
76.9835, 0.4173, 0.3901

Sweetspot

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



76.9864, 0.2302, 0.3288



90.5220, 0.2786, 0.3289



70.4781, 0.3024, 0.5672



19.1184, 0.2737, 0.3289



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.



76.9864, 0.2302, 0.3288



78.9502, 0.2258, 0.3288



33.0397, 0.1984, 0.2053



19.6086, 0.2980, 0.3290



39.9257, 0.2247, 0.3288



3.6978, 0.2247, 0.3288

Inverse Universe

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



24.3208, 0.5747, 0.3298



22.0494, 0.6251, 0.3299



43.7816, 0.4908, 0.4123



17.2253, 0.3294, 0.3290



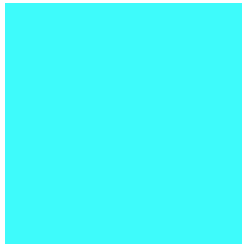
10.7806, 0.6401, 0.3300



0.9985, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 76.9835, 0.2302, 0.3288 looks on a white background.

Color Contrast Check

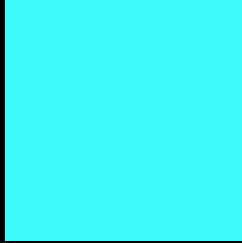
Large Text (above 18pt) WCAG AA × Fail

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 76.9835, 0.2302, 0.3288 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

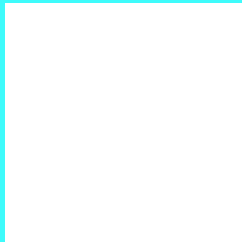
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9835, 0.2302, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 76.9835, 0.2302, 0.3288.

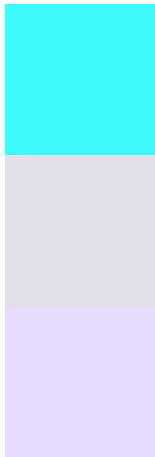


This preview shows how white text looks on a background with the Yxy color 76.9835, 0.2302, 0.3288.

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

76.9835, 0.2302, 0.3288

Protanopia

75.5827, 0.3084, 0.3185

Deuteranopia

75.3953, 0.2979, 0.2932



Tritanopia

76.3336, 0.2522, 0.3129

Trichromacy



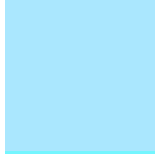
Original Color

76.9835, 0.2302, 0.3288



Protanomaly

73.3524, 0.2681, 0.3220



Deuteranomaly

72.8536, 0.2622, 0.3030



Tritanomaly

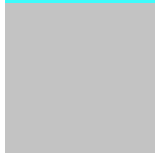
76.1736, 0.2413, 0.3183

Monochromacy



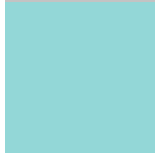
Original Color

76.9835, 0.2302, 0.3288



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

59.7102, 0.2677, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9835, 0.2302, 0.3288 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(62, 251, 251)` looks like.

```
.text, #text, p{  
    color:rgb(62, 251, 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(62, 251, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 251, 251) }
```

Border

The CSS property to change the border of an element to Yxy 76.9835, 0.2302, 0.3288 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(62, 251, 251) }
```

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

```
.border{ border-color:rgb(62, 251, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 251, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 251, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 251, 251);  
box-shadow:4px 4px 4px 4px rgb(62, 251,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9835, 0.2302, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 251, 251) }
```

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

```
.background{ background-color: rgb(62, 251,  
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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