

Converting Colors

$Y_{xy}(76.9597, 0.2248, 0.3286)$

Have a look what the booklet for
Yxy(76.9597, 0.2248, 0.3286)
contains.

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Color

Yxy(76.7449, 0.2245, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	05FCFD
RGB	5, 252, 253
RGB Percent	2%, 99%, 99%
CMY	0.9785, 0.0118, 0.0078
CMYK	0.98, 0.00, 0.00, 0.01
HSL	180°, 98%, 51%
HSV	180°, 98%, 99%
XYZ	52.6083, 76.7449, 104.9823
YIQ	178.2610, -147.5330, -52.0530

Conversions

Conversions Part 2

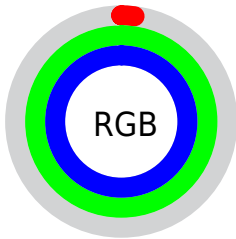
Format	Color
R _{YB}	5, 129, 253
Decimal	392445
CIE Lab	90.20, -47.25, -14.47
CIE LCh	90, 49.416, 197.030
Yxy	76.7449, 0.2245, 0.3275
Android (android.graphics.Color)	4278582525 (0xFF05FCFD)
YUV	178.2610, 36.8463, -151.9499
Hunter-Lab	87.6042, -46.1139, -9.7285

Details

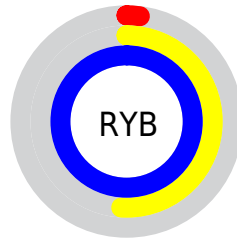
The Yxy color **76.7449, 0.2245, 0.3275** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.0389, 0.6373, 0.3301**, and the grayscale version is **44.6051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **43.0157, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **76.6983, 0.2243, 0.3275**, and if you desaturate by 10%, it is **77.0657, 0.2259, 0.3276**.

Distribution



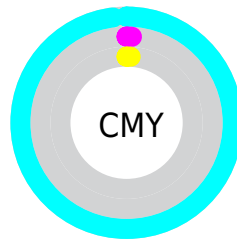
- Red (2%)
- Green (99%)
- Blue (99%)



- Red (2%)
- Yellow (51%)
- Blue (99%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (98%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7449, 0.2245, 0.3275 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 76.7449, 0.2245, 0.3275 by changing the saturation by 10% instead.


 76.7449, 0.2245,
0.3275

 76.7449, 0.2245,
0.3275


483.8938, 0.2636,
0.3295


 57.0435, 0.2160,
0.3267


 128.7793, 0.2377,
0.3285


 41.0402, 0.2058,
0.3256

 161.8812, 0.2429,
0.3288

 28.3505, 0.1933,
0.3240


 200.2186, 0.2475,
0.3290

 18.5900, 0.1776,
0.3216

 244.1761, 0.2515,
0.3292

 11.3744, 0.1574,
0.3176

294.1379, 0.2551,
0.3293

 6.3193, 0.1311,
0.3107

350.4886, 0.2582,

 3.0402, 0.0959,

0.3294

0.2978

413.6124, 0.2610,
0.3295

■ 1.1527, 0.0000,
0.2852

■ 0.0226, 0.0000,
0.0213

■ 76.7449, 0.2245,
0.3275

■ 76.7449, 0.2245,
0.3275


■ 76.6983, 0.2243,
0.3275

■ 77.0657, 0.2259,
0.3276


■ 77.6864, 0.2289,
0.3278


■ 78.6751, 0.2337,
0.3279


■ 80.0806, 0.2405,
0.3281

 81.9443, 0.2492,
0.3282

 84.3026, 0.2598,
0.3284

 87.1881, 0.2721,
0.3286

 90.6309, 0.2858,
0.3287

 94.6586, 0.3006,
0.3289

Harmonies

Analogous

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



76.7449, 0.2636, 0.3870



76.7449, 0.2245, 0.3275



76.7449, 0.2085, 0.2758

Triad

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



76.7449, 0.2245, 0.3275



76.7449, 0.2984, 0.2499



76.7449, 0.4156, 0.4070

Complementary

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



76.7449, 0.2245, 0.3275



21.0389, 0.6373, 0.3301

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.



76.7449, 0.4294, 0.3651



76.7449, 0.2245, 0.3275



76.7449, 0.3582, 0.2792

Square

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



76.7449, 0.2245, 0.3275



76.7449, 0.2478, 0.2375



76.7449, 0.4082, 0.3198



76.7449, 0.3740, 0.4333

Rectangle

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



76.7449, 0.2245, 0.3275



76.7449, 0.2113, 0.2529



76.7449, 0.4082, 0.3198



76.7449, 0.4239, 0.3940

Sweetspot

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



76.7477, 0.2245, 0.3275



88.3756, 0.2706, 0.3286



70.3090, 0.3001, 0.5988



18.6392, 0.2652, 0.3285



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.



76.7477, 0.2245, 0.3275



78.0715, 0.2243, 0.3275



22.8935, 0.1776, 0.1583



20.4679, 0.2980, 0.3289



40.8000, 0.2243, 0.3275



3.9766, 0.2244, 0.3276

Inverse Universe

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



28.0329, 0.3219, 0.1552



28.4125, 0.3220, 0.1547



36.6632, 0.5394, 0.4084



18.2990, 0.3139, 0.3057



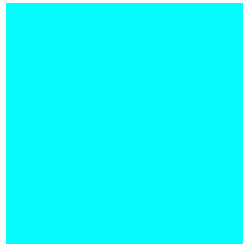
14.8468, 0.3219, 0.1547



1.4460, 0.3218, 0.1547

Previews

White Background



This preview shows how the Yxy color 76.7449, 0.2245, 0.3275 looks on a white background.

Color Contrast Check

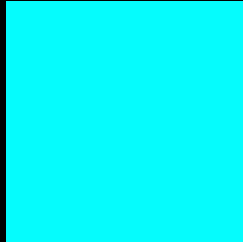
Large Text (above 18pt) WCAG AA × Fail

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 76.7449, 0.2245, 0.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

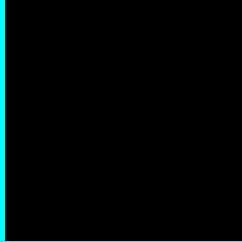
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7449, 0.2245, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 76.7449, 0.2245, 0.3275.

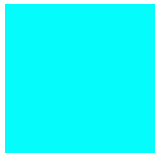


This preview shows how white text looks on a background with the Yxy color 76.7449, 0.2245, 0.3275.

Color Blindness Simulation

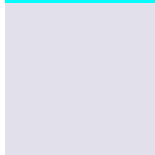
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.7449, 0.2245, 0.3275



Protanopia

75.4782, 0.3070, 0.3174



Deuteranopia

75.0644, 0.2966, 0.2931



Tritanopia

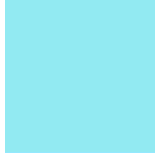
75.9702, 0.2505, 0.3128

Trichromacy



Original Color

76.7449, 0.2245, 0.3275



Protanomaly

71.3674, 0.2565, 0.3194



Deuteranomaly

71.1649, 0.2514, 0.3035



Tritanomaly

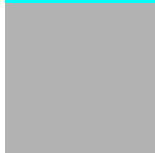
74.7877, 0.2341, 0.3181

Monochromacy



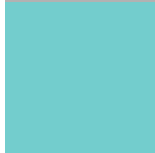
Original Color

76.7449, 0.2245, 0.3275



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.7153, 0.2538, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7449, 0.2245, 0.3275 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(5, 252, 253)` looks like.

```
.text, #text, p{  
    color:rgb(5, 252, 253)  
}
```

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(5, 252, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 252, 253) }
```

Border

The CSS property to change the border of an element to Yxy 76.7449, 0.2245, 0.3275 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(5, 252, 253) }
```

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

```
.border{ border-color:rgb(5, 252, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 252, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 252, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 252, 253);  
box-shadow:4px 4px 4px 4px rgb(5, 252,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7449, 0.2245, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 252, 253) }
```

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

```
.background{ background-color: rgb(5, 252,  
253) }
```

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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