

Converting Colors

$Yxy(76.9620, 0.2461, 0.3253)$

Have a look what the booklet for
Yxy(76.9620, 0.2461, 0.3253)
contains.

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Color

Yxy(76.9620, 0.2461, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	7BF6F9
RGB	123, 246, 249
RGB Percent	48%, 96%, 98%
CMY	0.5175, 0.0353, 0.0236
CMYK	0.51, 0.01, 0.00, 0.02
HSL	181°, 91%, 73%
HSV	181°, 51%, 98%
XYZ	58.2242, 76.9620, 101.4015
YIQ	209.5650, -74.2710, -25.1430

Conversions

Conversions Part 2

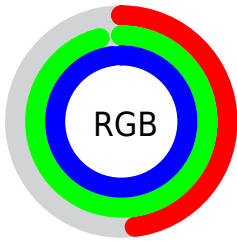
Format	Color
R _Y B	123, 185, 249
Decimal	8124153
CIE Lab	90.30, -33.56, -12.03
CIE LCh	90, 35.653, 199.715
Yxy	76.9620, 0.2461, 0.3253
Android (android.graphics.Color)	4286314233 (0xFF7BF6F9)
YUV	209.5650, 19.4415, -75.9175
Hunter-Lab	87.7280, -35.0552, -7.1215

Details

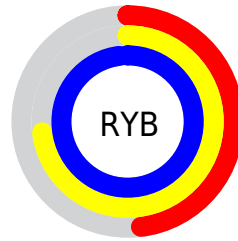
The Yxy color **76.9620, 0.2461, 0.3253** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.4956, 0.4565, 0.3325**, and the grayscale version is **64.0613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **41.0862, 0.2312, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **74.9967, 0.2376, 0.3245**, and if you desaturate by 10%, it is **79.4013, 0.2564, 0.3261**.

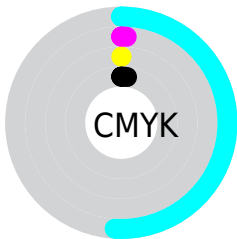
Distribution



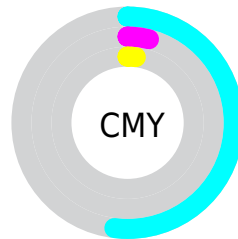
- Red (48%)
- Green (96%)
- Blue (98%)



- Red (48%)
- Yellow (73%)
- Blue (98%)



- Cyan (51%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)





- Cyan (52%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9620, 0.2461, 0.3253 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 76.9620, 0.2461, 0.3253 by changing the saturation by 10% instead.


 76.9620, 0.2461,
0.3253

 76.9620, 0.2461,
0.3253


484.6345, 0.2759,
0.3278


 57.2217, 0.2395,
0.3246

 129.0858, 0.2562,
0.3263

 41.1833, 0.2316,
0.3236


 162.2382, 0.2602,
0.3266

 28.4623, 0.2217,
0.3222


 200.6299, 0.2637,
0.3269

 18.6744, 0.2092,
0.3202

244.6456, 0.2668,
0.3272

 11.4353, 0.1928,
0.3171

294.6694, 0.2695,
0.3274

 6.3604, 0.1706,
0.3119

351.0859, 0.2718,

 3.0654, 0.1394,

0.3275

414.2795, 0.2740,
0.3277

0.3025

1.1660, 0.0662,
0.2913

0.0337, 0.0000,
0.0369

76.9620, 0.2461,
0.3253

76.9620, 0.2461,
0.3253

74.9967, 0.2376,
0.3245

79.4013, 0.2564,
0.3261

73.4604, 0.2312,
0.3237


82.3379, 0.2684,
0.3269

72.3147, 0.2266,
0.3229

85.8045, 0.2818,
0.3276

71.5099, 0.2239,
0.3221

89.8281, 0.2964,
0.3283


 70.9890, 0.2226,
0.3214

 94.4340, 0.3118,
0.3290

 96.1903, 0.3165,
0.3295

 96.5573, 0.3165,
0.3301

 96.9256, 0.3164,
0.3307

 97.2949, 0.3164,
0.3312

Harmonies

Analogous

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



76.9620, 0.2744, 0.3666



76.9620, 0.2461, 0.3253



76.9620, 0.2351, 0.2888

Triad

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



76.9620, 0.2461, 0.3253



76.9620, 0.3068, 0.2715



76.9620, 0.3860, 0.3897

Complementary

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



76.9620, 0.2461, 0.3253



36.4956, 0.4565, 0.3325

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.



76.9620, 0.3970, 0.3605



76.9620, 0.2461, 0.3253



76.9620, 0.3496, 0.2948

Square

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



76.9620, 0.2461, 0.3253



76.9620, 0.2682, 0.2611



76.9620, 0.3836, 0.3265



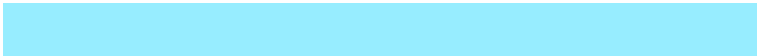
76.9620, 0.3551, 0.4047

Rectangle

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



76.9620, 0.2461, 0.3253



76.9620, 0.2382, 0.2720



76.9620, 0.3836, 0.3265



76.9620, 0.3923, 0.3810

Sweetspot

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



76.9650, 0.2461, 0.3253



92.8754, 0.2898, 0.3280



73.4437, 0.3042, 0.4883



19.6886, 0.2868, 0.3279



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.



76.9650, 0.2461, 0.3253



79.0845, 0.2373, 0.3245



45.2961, 0.2306, 0.2464



19.5337, 0.2980, 0.3284



38.0336, 0.2226, 0.3215



3.5444, 0.2229, 0.3224

Inverse Universe

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



40.9652, 0.3211, 0.2095



37.2536, 0.3227, 0.1902



57.5825, 0.4186, 0.3974



17.5170, 0.3142, 0.3062



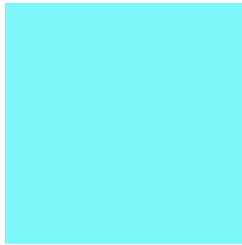
14.2504, 0.3269, 0.1575



1.3220, 0.3262, 0.1570

Previews

White Background



This preview shows how the Yxy color 76.9620, 0.2461, 0.3253 looks on a white background.

Color Contrast Check

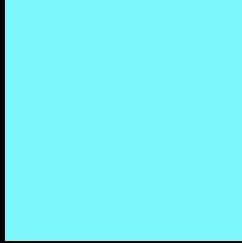
Large Text (above 18pt) WCAG AA × Fail

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 76.9620, 0.2461, 0.3253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

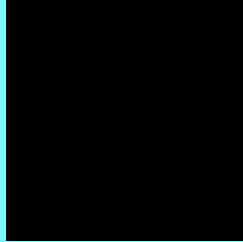
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9620, 0.2461, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 76.9620, 0.2461, 0.3253.

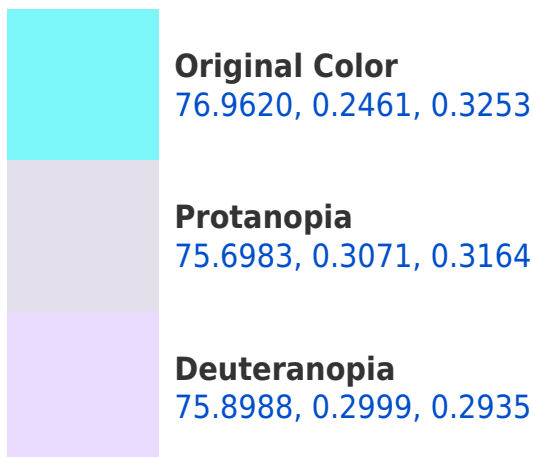


This preview shows how white text looks on a background with the Yxy color 76.9620, 0.2461, 0.3253.

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





Tritanopia

76.8093, 0.2571, 0.3120

Trichromacy



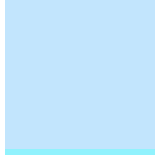
Original Color

76.9620, 0.2461, 0.3253



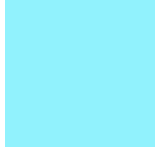
Protanomaly

74.8829, 0.2799, 0.3189



Deuteranomaly

74.5998, 0.2760, 0.3028



Tritanomaly

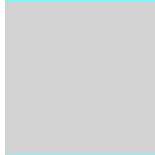
76.6159, 0.2524, 0.3162

Monochromacy



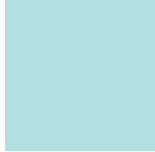
Original Color

76.9620, 0.2461, 0.3253



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.6221, 0.2821, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9620, 0.2461, 0.3253 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(123, 246, 249)` looks like.

```
.text, #text, p{  
    color:rgb(123, 246, 249)  
}
```

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(123, 246, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 246, 249) }
```

Border

The CSS property to change the border of an element to Yxy 76.9620, 0.2461, 0.3253 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(123, 246, 249) }
```

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

```
.border{ border-color:rgb(123, 246, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 246, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 246, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 246, 249);  
box-shadow:4px 4px 4px 4px rgb(123, 246,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9620, 0.2461, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 246, 249) }
```

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

```
.background{ background-color: rgb(123,  
246, 249) }
```

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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