

Converting Colors

$Yxy(76.6523, 0.2668, 0.3310)$

Have a look what the booklet for
Yxy(76.6523, 0.2668, 0.3310)
contains.

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Color

Yxy(76.8240, 0.2670, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	A2F1EF
RGB	162, 241, 239
RGB Percent	64%, 95%, 94%
CMY	0.3647, 0.0549, 0.0629
CMYK	0.33, 0.00, 0.01, 0.05
HSL	178°, 74%, 79%
HSV	178°, 33%, 95%
XYZ	61.9324, 76.8240, 93.2001
YIQ	217.1510, -46.4420, -17.3700

Conversions

Conversions Part 2

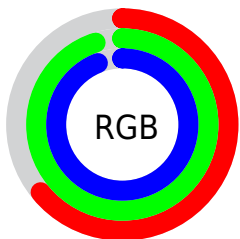
Format	Color
R _Y B	162, 202, 241
Decimal	10678767
CIE Lab	90.24, -24.46, -6.72
CIE LCh	90, 25.366, 195.368
Yxy	76.8240, 0.2670, 0.3312
Android (android.graphics.Color)	4288868847 (0xFFA2F1EF)
YUV	217.1510, 10.7716, -48.3674
Hunter-Lab	87.6493, -27.2594, -1.6903

Details

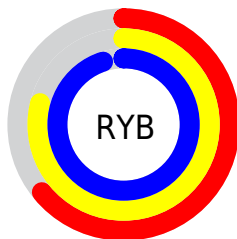
The Yxy color **76.8240, 0.2670, 0.3312** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.2275, 0.3870, 0.3270**, and the grayscale version is **69.4471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **41.1810, 0.2566, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **74.5035, 0.2558, 0.3320**, and if you desaturate by 10%, it is **79.6344, 0.2797, 0.3305**.

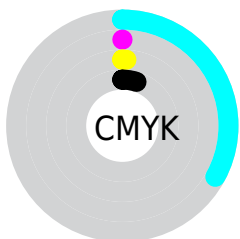
Distribution



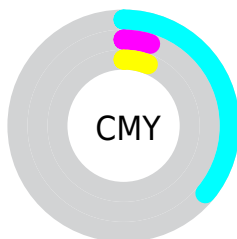
- Red (64%)
- Green (95%)
- Blue (94%)



- Red (64%)
- Yellow (79%)
- Blue (95%)



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)





- Cyan (36%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8240, 0.2670, 0.3312 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 76.8240, 0.2670, 0.3312 by changing the saturation by 10% instead.

 76.8240, 0.2670,
0.3312


 76.8240, 0.2670,
0.3312


484.1637, 0.2877,
0.3305

 57.1084, 0.2624,
0.3313


 128.8910, 0.2741,
0.3310

 41.0923, 0.2567,
0.3313

 162.0112, 0.2769,
0.3310

 28.3912, 0.2497,
0.3313


200.3685, 0.2793,
0.3309

 18.6208, 0.2406,
0.3312

244.3471, 0.2814,
0.3308

 11.3966, 0.2286,
0.3309

294.3316, 0.2832,
0.3307

 6.3342, 0.2118,
0.3300


350.7063, 0.2849,


 3.0494, 0.1870,

0.3307

413.8555, 0.2864,
0.3306


0.3279


 1.1576, 0.1354,
0.3263


 0.0266, 0.0000,
0.0507


 76.8240, 0.2670,
0.3312


 76.8240, 0.2670,
0.3312


 74.5035, 0.2558,
0.3320


 79.6344, 0.2797,
0.3305


 72.6360, 0.2463,
0.3328

 82.9510, 0.2936,
0.3298

 71.1941, 0.2387,
0.3336

 86.8006, 0.3085,
0.3292

 70.1434, 0.2331,
0.3345

 90.5529, 0.3217,
0.3286

69.4445, 0.2294,
0.3353

90.5902, 0.3213,
0.3280

69.0495, 0.2275,
0.3361

90.6276, 0.3209,
0.3274

68.9006, 0.2269,
0.3367

90.6652, 0.3205,
0.3268

90.7029, 0.3201,
0.3262

90.7407, 0.3197,
0.3256

Harmonies

Analogous

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



76.8240, 0.2894, 0.3592



76.8240, 0.2670, 0.3312



76.8240, 0.2567, 0.3042

Triad

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



76.8240, 0.2670, 0.3312



76.8240, 0.3044, 0.2852



76.8240, 0.3673, 0.3706

Complementary

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



76.8240, 0.2670, 0.3312



47.2275, 0.3870, 0.3270

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.



76.8240, 0.3722, 0.3492



76.8240, 0.2670, 0.3312



76.8240, 0.3350, 0.3013

Square

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



76.8240, 0.2670, 0.3312



76.8240, 0.2775, 0.2794



76.8240, 0.3602, 0.3242



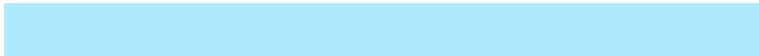
76.8240, 0.3474, 0.3820

Rectangle

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



76.8240, 0.2670, 0.3312



76.8240, 0.2576, 0.2907



76.8240, 0.3602, 0.3242



76.8240, 0.3708, 0.3643

Sweetspot

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



76.8271, 0.2670, 0.3312



95.4381, 0.2976, 0.3296



73.4845, 0.3098, 0.4261



20.3012, 0.2956, 0.3297



0.0000, 0.0000, 0.0000



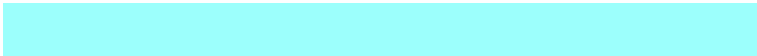
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8271, 0.2670, 0.3312



85.5989, 0.2597, 0.3317



57.2862, 0.2605, 0.2847



17.9215, 0.2984, 0.3296



37.3642, 0.2268, 0.3366



3.1106, 0.2265, 0.3355

Inverse Universe

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



47.2275, 0.3870, 0.3270



47.3588, 0.4085, 0.3266



62.0999, 0.3759, 0.3693



15.7654, 0.3289, 0.3284



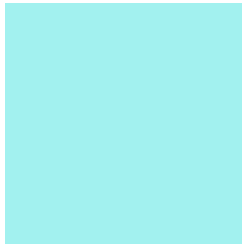
10.1514, 0.6373, 0.3285



0.8468, 0.6301, 0.3245

Previews

White Background



This preview shows how the Yxy color 76.8240, 0.2670, 0.3312 looks on a white background.

Color Contrast Check

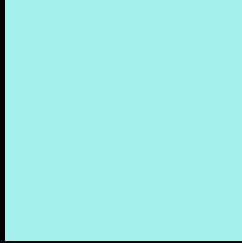
Large Text (above 18pt) WCAG AA × Fail

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 76.8240, 0.2670, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

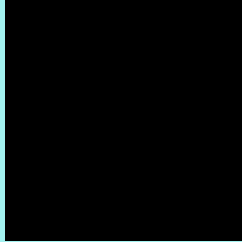
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8240, 0.2670, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 76.8240, 0.2670, 0.3312.

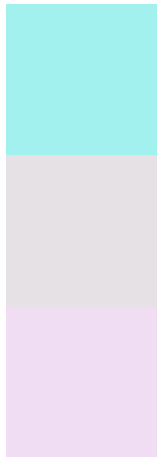


This preview shows how white text looks on a background with the Yxy color 76.8240, 0.2670, 0.3312.

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

76.8240, 0.2670, 0.3312

Protanopia

76.1656, 0.3129, 0.3248

Deuteranopia

76.1827, 0.3117, 0.3056



Tritanopia

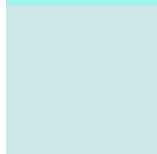
76.5590, 0.2637, 0.3089

Trichromacy



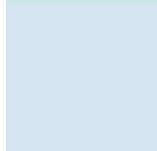
Original Color

76.8240, 0.2670, 0.3312



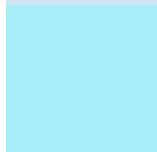
Protanomaly

76.0142, 0.2943, 0.3268



Deuteranomaly

75.8947, 0.2934, 0.3140



Tritanomaly

76.3135, 0.2647, 0.3165

Monochromacy



Original Color

76.8240, 0.2670, 0.3312



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.6993, 0.2938, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8240, 0.2670, 0.3312 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(162, 241, 239)` looks like.

```
.text, #text, p{  
    color:rgb(162, 241, 239)  
}
```

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(162, 241, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 241, 239) }
```

Border

The CSS property to change the border of an element to Yxy 76.8240, 0.2670, 0.3312 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(162, 241, 239) }
```

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

```
.border{ border-color:rgb(162, 241, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 241, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 241, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 241, 239);  
box-shadow:4px 4px 4px 4px rgb(162, 241,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8240, 0.2670, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 241, 239) }
```

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

```
.background{ background-color: rgb(162,  
241, 239) }
```

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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