

Converting Colors

$Yxy(76.3628, 0.2715, 0.3485)$

Have a look what the booklet for
Yxy(76.3628, 0.2715, 0.3485)
contains.

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Color

Yxy(76.1633, 0.2711, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	9DF2E2
RGB	157, 242, 226
RGB Percent	62%, 95%, 89%
CMY	0.3842, 0.0510, 0.1138
CMYK	0.35, 0.00, 0.07, 0.05
HSL	169°, 77%, 78%
HSV	169°, 35%, 95%
XYZ	59.3842, 76.1633, 83.5014
YIQ	214.7610, -45.5240, -22.9960

Conversions

Conversions Part 2

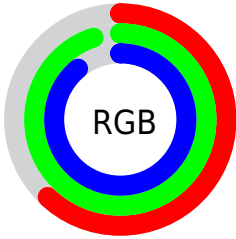
Format	Color
R_{YB}	157, 204, 242
Decimal	10351330
CIE _{Lab}	89.94, -29.17, -0.42
CIE _{LCh}	90, 29.174, 180.824
Yxy	76.1633, 0.2711, 0.3477
Android (android.graphics.Color)	4288541410 (0xFF9DF2E2)
YUV	214.7610, 5.5408, -50.6564
Hunter-Lab	87.2716, -31.2645, 4.3615

Details

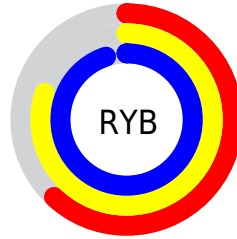
The Yxy color **76.1633, 0.2711, 0.3477** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.0196, 0.3806, 0.3115**, and the grayscale version is **67.7739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **40.8248, 0.2612, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **73.7207, 0.2617, 0.3540**, and if you desaturate by 10%, it is **79.1007, 0.2818, 0.3418**.

Distribution



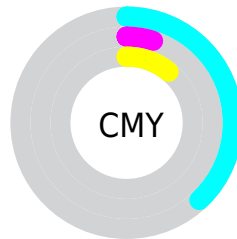
- Red (62%)
- Green (95%)
- Blue (89%)



- Red (62%)
- Yellow (80%)
- Blue (95%)



- Cyan (35%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)





- Cyan (38%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1633, 0.2711, 0.3477 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 76.1633, 0.2711, 0.3477 by changing the saturation by 10% instead.

 76.1633, 0.2711,
0.3477

 76.1633, 0.2711,
0.3477


481.9065, 0.2901,
0.3392

 56.5664, 0.2668,
0.3496


 127.9577, 0.2777,
0.3448

 40.6572, 0.2616,
0.3520


 160.9240, 0.2802,
0.3436

 28.0514, 0.2549,
0.3549


199.1156, 0.2824,
0.3426

 18.3644, 0.2464,
0.3587

242.9169, 0.2844,
0.3418

 11.2119, 0.2349,
0.3638

292.7122, 0.2861,
0.3410

 6.2096, 0.2186,
0.3710

348.8860, 0.2876,

 2.9729, 0.1940,

0.3403

411.8226, 0.2889,
0.3397

0.3818

1.1176, 0.1233,
0.4136

0.0000, 0.0000,
0.0000

76.1633, 0.2711,
0.3477

76.1633, 0.2711,
0.3477

73.7207, 0.2617,
0.3540

79.1007, 0.2818,
0.3418

71.7352, 0.2539,
0.3605

82.5502, 0.2936,
0.3364

70.1781, 0.2479,
0.3673

86.5391, 0.3061,
0.3314

69.0138, 0.2439,
0.3742

91.0902, 0.3191,
0.3269

■ 68.2005, 0.2418,
0.3811

■ 91.5933, 0.3171,
0.3225

■ 67.6872, 0.2417,
0.3880

■ 91.8814, 0.3143,
0.3181

■ 67.5077, 0.2420,
0.3913

■ 91.9863, 0.3133,
0.3165

Harmonies

Analogous

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



76.1633, 0.3015, 0.3768



76.1633, 0.2711, 0.3477



76.1633, 0.2523, 0.3144

Triad

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



76.1633, 0.2711, 0.3477



76.1633, 0.2870, 0.2741



76.1633, 0.3809, 0.3655

Complementary

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



76.1633, 0.2711, 0.3477



46.0196, 0.3806, 0.3115

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.



76.1633, 0.3771, 0.3380



76.1633, 0.2711, 0.3477



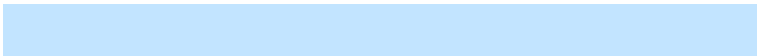
76.1633, 0.3212, 0.2872

Square

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



76.1633, 0.2711, 0.3477



76.1633, 0.2610, 0.2739



76.1633, 0.3548, 0.3100



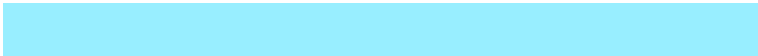
76.1633, 0.3654, 0.3855

Rectangle

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



76.1633, 0.2711, 0.3477



76.1633, 0.2481, 0.2954



76.1633, 0.3548, 0.3100



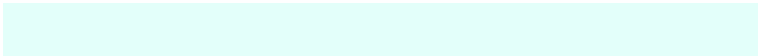
76.1633, 0.3819, 0.3568

Sweetspot

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



76.1664, 0.2711, 0.3477



94.7266, 0.2986, 0.3343



74.9425, 0.3184, 0.4314



20.1476, 0.2970, 0.3350



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.



76.1664, 0.2711, 0.3477



83.7929, 0.2644, 0.3521



62.9551, 0.2591, 0.2986



17.8748, 0.3006, 0.3335



36.2838, 0.2417, 0.3901



3.0315, 0.2392, 0.3811

Inverse Universe

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



46.0196, 0.3806, 0.3115



45.2395, 0.4010, 0.3081



54.9817, 0.3869, 0.3572



15.8076, 0.3264, 0.3246



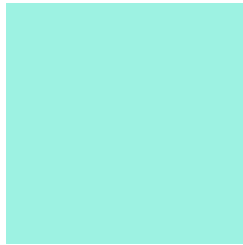
10.2602, 0.6103, 0.3136



0.8668, 0.5757, 0.2945

Previews

White Background



This preview shows how the Yxy color 76.1633, 0.2711, 0.3477 looks on a white background.

Color Contrast Check

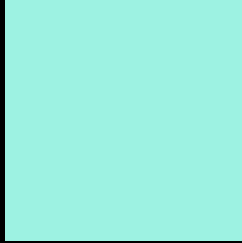
Large Text (above 18pt) WCAG AA × Fail

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 76.1633, 0.2711, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

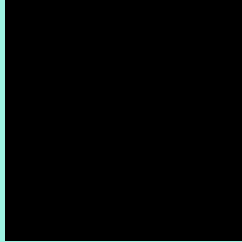
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1633, 0.2711, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 76.1633, 0.2711, 0.3477.

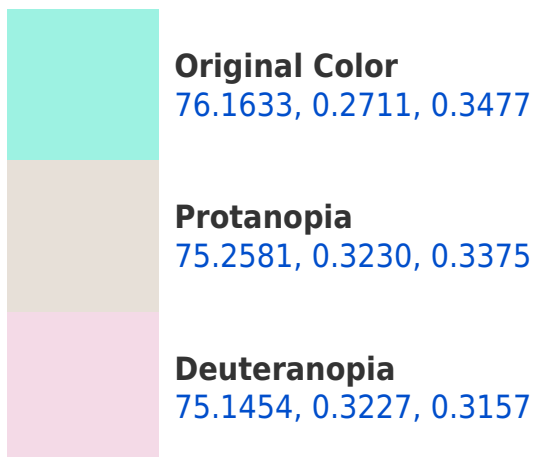


This preview shows how white text looks on a background with the Yxy color 76.1633, 0.2711, 0.3477.

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

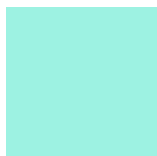




Tritanopia

76.1132, 0.2616, 0.3088

Trichromacy



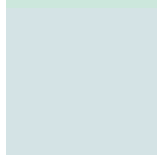
Original Color

76.1633, 0.2711, 0.3477



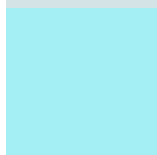
Protanomaly

75.1565, 0.3014, 0.3412



Deuteranomaly

74.5924, 0.3013, 0.3268



Tritanomaly

76.1572, 0.2652, 0.3232

Monochromacy



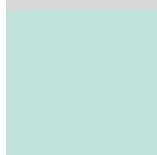
Original Color

76.1633, 0.2711, 0.3477



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.4342, 0.2954, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1633, 0.2711, 0.3477 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(157, 242, 226)` looks like.

```
.text, #text, p{  
    color:rgb(157, 242, 226)  
}
```

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(157, 242, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 242, 226) }
```

Border

The CSS property to change the border of an element to Yxy 76.1633, 0.2711, 0.3477 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(157, 242, 226) }
```

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

```
.border{ border-color:rgb(157, 242, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 242, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 242, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 242, 226);  
box-shadow:4px 4px 4px 4px rgb(157, 242,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1633, 0.2711, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 242, 226) }
```

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

```
.background{ background-color: rgb(157,  
242, 226) }
```

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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