

Converting Colors

$Yxy(76.7603, 0.2712, 0.3488)$

Have a look what the booklet for
Yxy(76.7603, 0.2712, 0.3488)
contains.

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Color

Yxy(76.7603, 0.2712, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	9DF3E2
RGB	157, 243, 226
RGB Percent	62%, 95%, 89%
CMY	0.3843, 0.0470, 0.1137
CMYK	0.35, 0.00, 0.07, 0.05
HSL	168°, 78%, 78%
HSV	168°, 35%, 95%
XYZ	59.6829, 76.7603, 83.6265
YIQ	215.3480, -45.7990, -23.5190

Conversions

Conversions Part 2

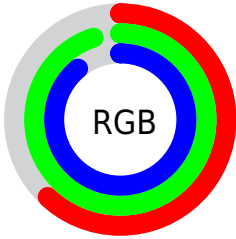
Format	Color
R _Y B	157, 205, 243
Decimal	10351586
CIE Lab	90.21, -29.65, -0.03
CIE LCh	90, 29.646, 180.067
Yxy	76.7603, 0.2712, 0.3488
Android (android.graphics.Color)	4288541666 (0xFF9DF3E2)
YUV	215.3480, 5.2514, -51.1712
Hunter-Lab	87.6130, -31.7265, 4.7368

Details

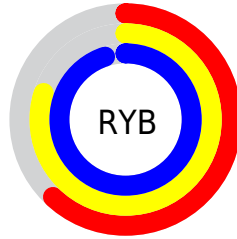
The Yxy color **76.7603, 0.2712, 0.3488** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.2252, 0.3806, 0.3105**, and the grayscale version is **68.1920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **41.2476, 0.2614, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **74.2974, 0.2619, 0.3554**, and if you desaturate by 10%, it is **79.7228, 0.2818, 0.3426**.

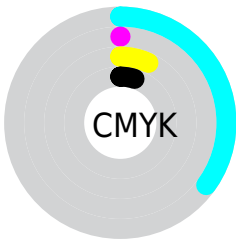
Distribution



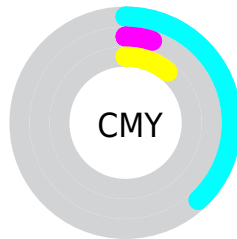
- Red (62%)
- Green (95%)
- Blue (89%)



- 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 76.7603, 0.2712, 0.3488 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 76.7603, 0.2712, 0.3488 by changing the saturation by 10% instead.


 76.7603, 0.2712,
0.3488


 76.7603, 0.2712,
0.3488

483.9464, 0.2902,
0.3398

 57.0562, 0.2669,
0.3508

 128.8011, 0.2777,
0.3457

 41.0503, 0.2617,
0.3533


 161.9065, 0.2803,
0.3445

 28.3584, 0.2551,
0.3565


200.2478, 0.2825,
0.3434

 18.5960, 0.2466,
0.3605

244.2094, 0.2844,
0.3425

 11.3787, 0.2351,
0.3660

294.1756, 0.2861,
0.3417

 6.3222, 0.2190,
0.3736

350.5309, 0.2876,

 3.0420, 0.1946,

0.3410

413.6597, 0.2890,
0.3403

0.3852

1.1537, 0.1269,
0.4175

0.0234, 0.0000,
0.4561

76.7603, 0.2712,
0.3488

76.7603, 0.2712,
0.3488

74.2974, 0.2619,
0.3554

79.7228, 0.2818,
0.3426

72.2959, 0.2542,
0.3623

83.2023, 0.2935,
0.3369

70.7266, 0.2484,
0.3694

87.2265, 0.3058,
0.3316

69.5534, 0.2445,
0.3767

91.8186, 0.3187,
0.3269

■ 68.7341, 0.2426,
0.3840

■ 92.2673, 0.3163,
0.3223

■ 68.2165, 0.2425,
0.3912

■ 92.5724, 0.3134,
0.3177

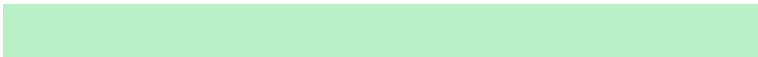
■ 68.0431, 0.2429,
0.3945

■ 92.5839, 0.3133,
0.3175

Harmonies

Analogous

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



76.7603, 0.3022, 0.3781



76.7603, 0.2712, 0.3488



76.7603, 0.2518, 0.3149

Triad

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



76.7603, 0.2712, 0.3488



76.7603, 0.2858, 0.2733



76.7603, 0.3820, 0.3653

Complementary

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



76.7603, 0.2712, 0.3488



46.2252, 0.3806, 0.3105

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.



76.7603, 0.3776, 0.3374



76.7603, 0.2712, 0.3488



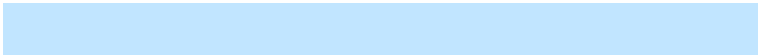
76.7603, 0.3204, 0.2862

Square

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



76.7603, 0.2712, 0.3488



76.7603, 0.2599, 0.2733



76.7603, 0.3546, 0.3091



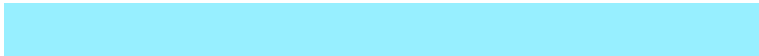
76.7603, 0.3667, 0.3859

Rectangle

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



76.7603, 0.2712, 0.3488



76.7603, 0.2473, 0.2955



76.7603, 0.3546, 0.3091



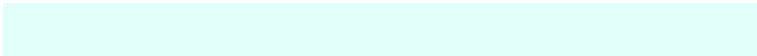
76.7603, 0.3828, 0.3564

Sweetspot

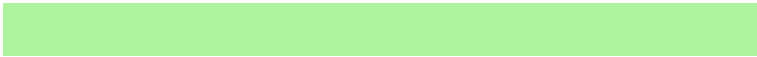
The Sweet Spot groups the original color and five complimentary colors.



76.7634, 0.2712, 0.3488



94.7108, 0.2988, 0.3345



75.5600, 0.3184, 0.4324



20.1438, 0.2971, 0.3352



0.0000, 0.0000, 0.0000



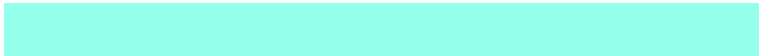
21.4041, 0.3127, 0.3290

Same Dimension

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



76.7634, 0.2712, 0.3488



83.7376, 0.2648, 0.3532



63.3699, 0.2586, 0.2983



18.6984, 0.3007, 0.3337



37.3626, 0.2426, 0.3933



3.2978, 0.2401, 0.3843

Inverse Universe

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



46.2252, 0.3806, 0.3105



45.2755, 0.4000, 0.3070



55.2748, 0.3877, 0.3575



16.5360, 0.3262, 0.3243



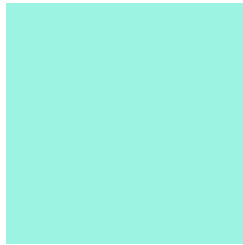
10.5901, 0.6082, 0.3124



0.9447, 0.5751, 0.2942

Previews

White Background



This preview shows how the Yxy color 76.7603, 0.2712, 0.3488 looks on a white background.

Color Contrast Check

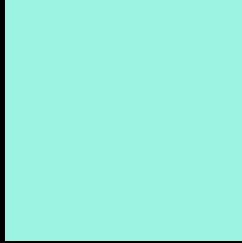
Large Text (above 18pt) WCAG AA × Fail

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 76.7603, 0.2712, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

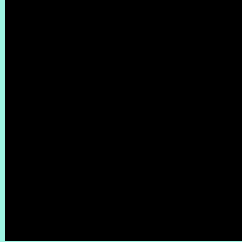
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7603, 0.2712, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 76.7603, 0.2712, 0.3488.

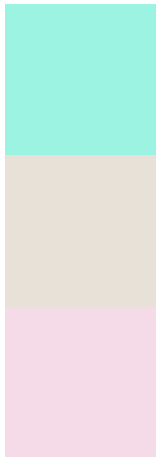


This preview shows how white text looks on a background with the Yxy color 76.7603, 0.2712, 0.3488.

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

76.7603, 0.2712, 0.3488

Protanopia

75.9641, 0.3236, 0.3386

Deuteranopia

75.8450, 0.3233, 0.3168



Tritanopia

76.4463, 0.2631, 0.3089

Trichromacy



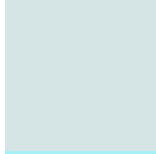
Original Color

76.7603, 0.2712, 0.3488



Protanomaly

75.8597, 0.3021, 0.3423



Deuteranomaly

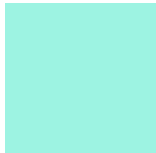
75.2901, 0.3019, 0.3279



Tritanomaly

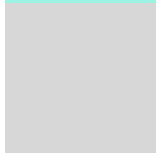
76.3716, 0.2663, 0.3232

Monochromacy



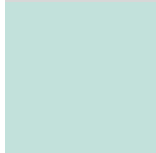
Original Color

76.7603, 0.2712, 0.3488



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 76.7603, 0.2712, 0.3488 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, 243, 226)` looks like.

```
.text, #text, p{  
    color:rgb(157, 243, 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, 243, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 243, 226) }
```

Border

The CSS property to change the border of an element to Yxy 76.7603, 0.2712, 0.3488 is called "border". The border property can be set on classes, ids or directly on the HTML element.

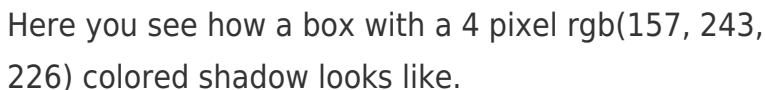
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 243, 226) }
```

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

```
.border{ border-color:rgb(157, 243, 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, 243, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 243, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 243, 226); box-shadow:4px 4px 4px 4px rgb(157, 243, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7603, 0.2712, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 243, 226) }
```

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

```
.background{ background-color: rgb(157,  
243, 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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