

Converting Colors

$Yxy(76.6431, 0.2720, 0.3789)$

Have a look what the booklet for
Yxy(76.6431, 0.2720, 0.3789)
contains.

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Color

Yxy(76.4298, 0.2719, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	8AF7CF
RGB	138, 247, 207
RGB Percent	54%, 97%, 81%
CMY	0.4587, 0.0314, 0.1883
CMYK	0.44, 0.00, 0.16, 0.03
HSL	158°, 87%, 75%
HSV	158°, 44%, 97%
XYZ	55.0060, 76.4298, 70.8665
YIQ	209.8490, -52.1240, -35.5480

Conversions

Conversions Part 2

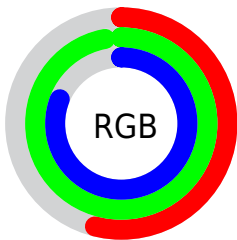
Format	Color
R_{YB}	138, 205, 247
Decimal	9107407
CIE _{Lab}	90.06, -40.48, 9.54
CIE _{LCh}	90, 41.585, 166.743
Yxy	76.4298, 0.2719, 0.3778
Android (android.graphics.Color)	4287297487 (0xFF8AF7CF)
YUV	209.8490, -1.4046, -63.0116
Hunter-Lab	87.4241, -40.6827, 13.1361

Details

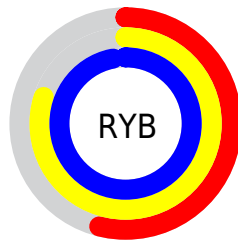
The Yxy color **76.4298, 0.2719, 0.3778** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.1794, 0.3858, 0.2863**, and the grayscale version is **64.3856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **40.8323, 0.2619, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **74.1284, 0.2655, 0.3913**, and if you desaturate by 10%, it is **79.2419, 0.2797, 0.3651**.

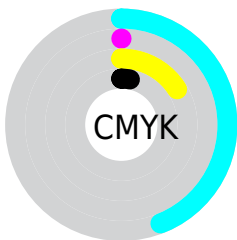
Distribution



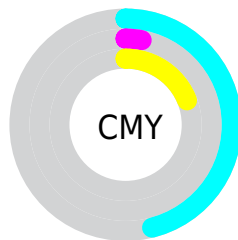
- Red (54%)
- Green (97%)
- Blue (81%)



- Red (54%)
- Yellow (80%)
- Blue (97%)



- Cyan (44%)
- Magenta (0%)
- Yellow (16%)
- Black (3%)





- Cyan (46%)
- Magenta (3%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4298, 0.2719, 0.3778 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 76.4298, 0.2719, 0.3778 by changing the saturation by 10% instead.

 76.4298, 0.2719,
0.3778

 76.4298, 0.2719,
0.3778


482.8177, 0.2909,
0.3547

 56.7850, 0.2675,
0.3832

 128.3343, 0.2785,
0.3697

 40.8327, 0.2621,
0.3900


 161.3627, 0.2811,
0.3665

 28.1883, 0.2552,
0.3987


199.6212, 0.2833,
0.3638

 18.4677, 0.2461,
0.4102

243.4941, 0.2852,
0.3615

 11.2863, 0.2338,
0.4263

293.3658, 0.2869,
0.3595

 6.2597, 0.2159,
0.4502


349.6207, 0.2884,


 3.0037, 0.1880,


0.3577


0.4890

412.6432, 0.2897,
0.3561


 1.1336, 0.0402,
0.6479


 0.0065, 0.0000,
1.0000


 76.4298, 0.2719,
0.3778

 76.4298, 0.2719,
0.3778


 74.1284, 0.2655,
0.3913

 79.2419, 0.2797,
0.3651


 72.2952, 0.2608,
0.4053


 82.5857, 0.2886,
0.3533

 70.8958, 0.2580,
0.4197


 86.4920, 0.2983,
0.3425

 69.8867, 0.2573,
0.4341

 90.9868, 0.3085,
0.3327

 69.2150, 0.2587,
0.4483

 94.8327, 0.3147,
0.3239

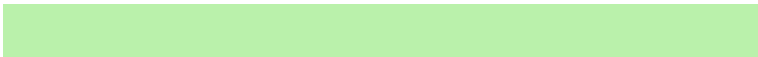
 68.9319, 0.2601,
0.4564

 95.0027, 0.3131,
0.3214

Harmonies

Analogous

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



76.4298, 0.3186, 0.4117



76.4298, 0.2719, 0.3778



76.4298, 0.2378, 0.3289

Triad

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



76.4298, 0.2719, 0.3778



76.4298, 0.2572, 0.2504



76.4298, 0.4111, 0.3607

Complementary

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



76.4298, 0.2719, 0.3778



41.1794, 0.3858, 0.2863

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.



76.4298, 0.3927, 0.3216



76.4298, 0.2719, 0.3778



76.4298, 0.3006, 0.2609

Square

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



76.4298, 0.2719, 0.3778



76.4298, 0.2302, 0.2580



76.4298, 0.3509, 0.2862



76.4298, 0.4004, 0.3960

Rectangle

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



76.4298, 0.2719, 0.3778



76.4298, 0.2258, 0.2982



76.4298, 0.3509, 0.2862



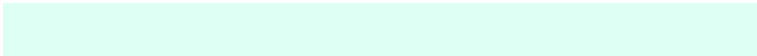
76.4298, 0.4082, 0.3477

Sweetspot

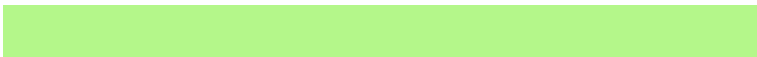
The Sweet Spot groups the original color and five complimentary colors.



76.4329, 0.2719, 0.3778



93.4862, 0.2994, 0.3414



78.0390, 0.3315, 0.4569



19.7964, 0.2972, 0.3436



0.0000, 0.0000, 0.0000



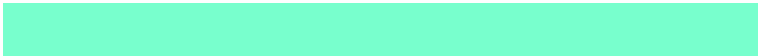
21.4041, 0.3127, 0.3290

Same Dimension

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



76.4329, 0.2719, 0.3778



79.9271, 0.2661, 0.3899



71.1326, 0.2505, 0.3138



18.6485, 0.3030, 0.3378



36.4835, 0.2595, 0.4541



3.2263, 0.2546, 0.4366

Inverse Universe

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



41.1794, 0.3858, 0.2863



37.5402, 0.4091, 0.2785



43.6636, 0.4241, 0.3430



16.5832, 0.3236, 0.3203



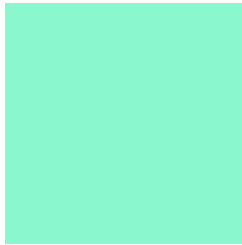
10.8800, 0.5511, 0.2809



0.9753, 0.5168, 0.2621

Previews

White Background



This preview shows how the Yxy color 76.4298, 0.2719, 0.3778 looks on a white background.

Color Contrast Check

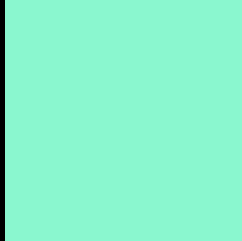
Large Text (above 18pt) WCAG AA × Fail

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 76.4298, 0.2719, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

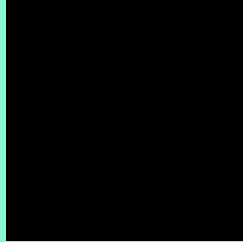
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4298, 0.2719, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 76.4298, 0.2719, 0.3778.

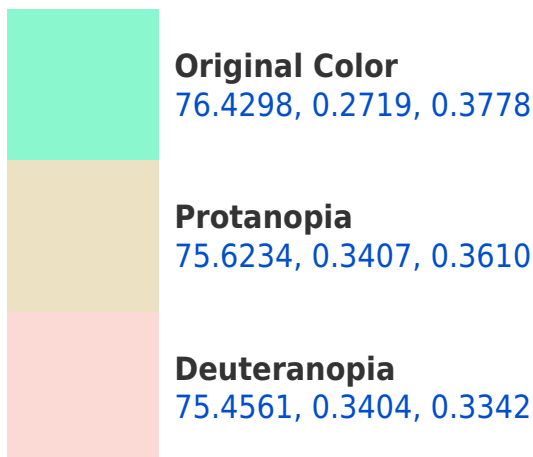


This preview shows how white text looks on a background with the Yxy color 76.4298, 0.2719, 0.3778.

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

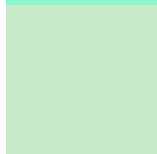
76.1556, 0.2592, 0.3098

Trichromacy



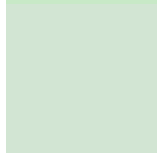
Original Color

76.4298, 0.2719, 0.3778



Protanomaly

74.6807, 0.3116, 0.3678



Deuteranomaly

74.4434, 0.3111, 0.3490



Tritanomaly

75.9537, 0.2635, 0.3323

Monochromacy



Original Color

76.4298, 0.2719, 0.3778



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.5691, 0.2949, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4298, 0.2719, 0.3778 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(138, 247, 207)` looks like.

```
.text, #text, p{  
    color:rgb(138, 247, 207)  
}
```

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(138, 247, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 247, 207) }
```

Border

The CSS property to change the border of an element to Yxy 76.4298, 0.2719, 0.3778 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(138, 247, 207) }
```

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

```
.border{ border-color:rgb(138, 247, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 247, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 247, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 247, 207);  
box-shadow:4px 4px 4px 4px rgb(138, 247,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4298, 0.2719, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 247, 207) }
```

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

```
.background{ background-color: rgb(138,  
247, 207) }
```

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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