

Converting Colors

$Yxy(78.7048, 0.2709, 0.4119)$

Have a look what the booklet for
Yxy(78.7048, 0.2709, 0.4119)
contains.

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Color

Yxy(78.7048, 0.2709, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	71FFBD
RGB	113, 255, 189
RGB Percent	44%, 100%, 74%
CMY	0.5566, 0.0000, 0.2588
CMYK	0.56, 0.00, 0.26, 0.00
HSL	152°, 100%, 72%
HSV	152°, 56%, 100%
XYZ	51.7629, 78.7048, 60.6098
YIQ	205.0180, -63.4460, -50.6300

Conversions

Conversions Part 2

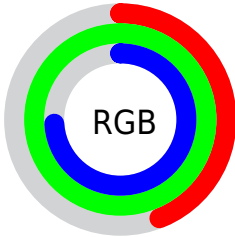
Format	Color
RYB	113, 205, 255
Decimal	7471037
CIELab	91.10, -53.32, 20.13
CIElCh	91, 56.999, 159.315
Yxy	78.7048, 0.2709, 0.4119
Android (android.graphics.Color)	4285661117 (0xFF71FFBD)
YUV	205.0180, -7.8969, -80.6998
Hunter-Lab	88.7157, -51.1033, 21.5946

Details

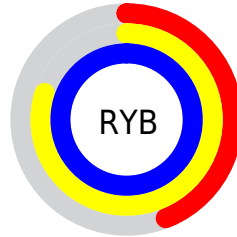
The Yxy color **78.7048, 0.2709, 0.4119** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **36.3445, 0.3995, 0.2626**, and the grayscale version is **61.1580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1112, 0.2719, 0.3398**, and **42.1740, 0.2602, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **76.7521, 0.2673, 0.4302**, and if you desaturate by 10%, it is **81.1810, 0.2762, 0.3943**.

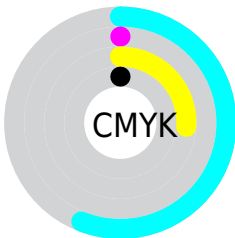
Distribution



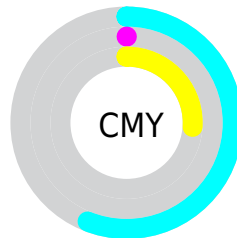
- Red (44%)
- Green (100%)
- Blue (74%)



- Red (44%)
- Yellow (80%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7048, 0.2709, 0.4119 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 78.7048, 0.2709, 0.4119 by changing the saturation by 10% instead.

 78.7048, 0.2709,
0.4119


 78.7048, 0.2709,
0.4119


490.5571, 0.2910,
0.3719

 58.6531, 0.2661,
0.4214


 131.5432, 0.2780,
0.3977

 42.3340, 0.2602,
0.4334


 165.0987, 0.2807,
0.3923

 29.3629, 0.2525,
0.4489


 203.9243, 0.2831,
0.3876

 19.3555, 0.2422,
0.4696


248.4044, 0.2851,
0.3836

 11.9274, 0.2279,
0.4988

298.9233, 0.2868,
0.3801

 6.6943, 0.2066,
0.5422


355.8654, 0.2884,


 3.2717, 0.1725,


0.3770

0.6128


419.6153, 0.2898,
0.3743


 1.2751, 0.0000,
1.0000


 0.1218, 0.0000,
1.0000

 78.7048, 0.2709,
0.4119


 78.7048, 0.2709,
0.4119


 76.7521, 0.2673,
0.4302

 81.1810, 0.2762,
0.3943


 75.2716, 0.2657,
0.4487

 84.2084, 0.2828,
0.3777


 74.2176, 0.2661,
0.4670

 87.8237, 0.2905,
0.3623

 73.5297, 0.2685,
0.4845

 92.0578, 0.2989,
0.3482

 73.3074, 0.2700,
0.4919

 96.9394, 0.3077,
0.3356

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



78.7048, 0.3346, 0.4495



78.7048, 0.2709, 0.4119



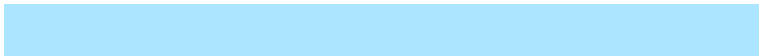
78.7048, 0.2216, 0.3444

Triad

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



78.7048, 0.2709, 0.4119



78.7048, 0.2279, 0.2259



78.7048, 0.4437, 0.3551

Complementary

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



78.7048, 0.2709, 0.4119



36.3445, 0.3995, 0.2626

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.



78.7048, 0.4097, 0.3053



78.7048, 0.2709, 0.4119



78.7048, 0.2796, 0.2347

Square

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



78.7048, 0.2709, 0.4119



78.7048, 0.1998, 0.2403



78.7048, 0.3468, 0.2628



78.7048, 0.4370, 0.4045

Rectangle

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



78.7048, 0.2709, 0.4119



78.7048, 0.2024, 0.2997



78.7048, 0.3468, 0.2628



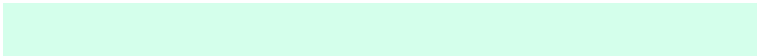
78.7048, 0.4367, 0.3381

Sweetspot

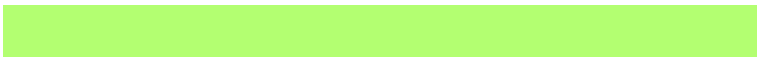
The Sweet Spot groups the original color and five complimentary colors.



78.7080, 0.2709, 0.4119



91.4542, 0.2977, 0.3500



82.3320, 0.3412, 0.4893



19.3857, 0.2960, 0.3528



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.



78.7080, 0.2709, 0.4119



76.5288, 0.2670, 0.4327



79.2722, 0.2412, 0.3233



20.3307, 0.3042, 0.3403



38.3364, 0.2692, 0.4891



3.7548, 0.2637, 0.4694

Inverse Universe

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



36.3445, 0.3995, 0.2626



30.2896, 0.4276, 0.2536



35.3653, 0.4788, 0.3341



18.1276, 0.3221, 0.3180



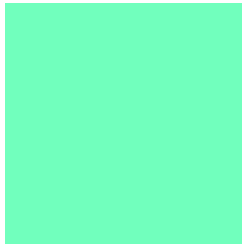
11.8289, 0.5113, 0.2590



1.1735, 0.4840, 0.2440

Previews

White Background



This preview shows how the Yxy color 78.7048, 0.2709, 0.4119 looks on a white background.

Color Contrast Check

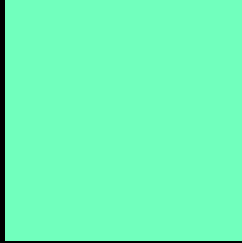
Large Text (above 18pt) WCAG AA × Fail

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 78.7048, 0.2709, 0.4119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

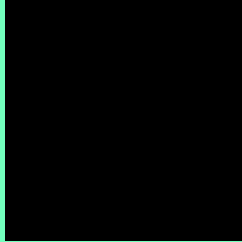
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

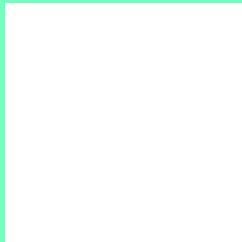
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7048, 0.2709, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 78.7048, 0.2709, 0.4119.



This preview shows how white text looks on a background with the Yxy color 78.7048, 0.2709, 0.4119.

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

78.7048, 0.2709, 0.4119

Protanopia

77.1274, 0.3586, 0.3827

Deuteranopia

77.2847, 0.3500, 0.3474



Tritanopia

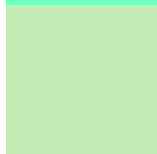
77.8650, 0.2620, 0.3122

Trichromacy



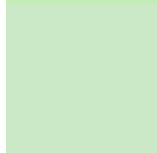
Original Color

78.7048, 0.2709, 0.4119



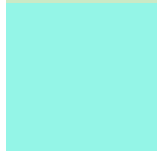
Protanomaly

75.6403, 0.3196, 0.3937



Deuteranomaly

75.0516, 0.3142, 0.3687



Tritanomaly

77.3702, 0.2646, 0.3453

Monochromacy



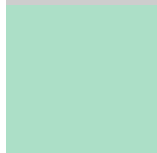
Original Color

78.7048, 0.2709, 0.4119



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6695, 0.2931, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7048, 0.2709, 0.4119 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(113, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 189)  
}
```

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(113, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 78.7048, 0.2709, 0.4119 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(113, 255, 189) }
```

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

```
.border{ border-color:rgb(113, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7048, 0.2709, 0.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 189) }
```

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

```
.background{ background-color: rgb(113,  
255, 189) }
```

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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