

Converting Colors

$Y_{xy}(78.7391, 0.2711, 0.4119)$

Have a look what the booklet for
Yxy(78.7391, 0.2711, 0.4119)
contains.

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Color

Yxy(78.7715, 0.2713, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	72FFBD
RGB	114, 255, 189
RGB Percent	45%, 100%, 74%
CMY	0.5525, 0.0000, 0.2588
CMYK	0.55, 0.00, 0.26, 0.00
HSL	152°, 100%, 72%
HSV	152°, 55%, 100%
XYZ	51.8958, 78.7715, 60.6185
YIQ	205.3170, -62.8500, -50.4180

Conversions

Conversions Part 2

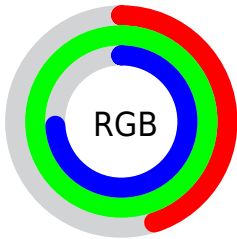
Format	Color
RYB	114, 206, 255
Decimal	7536573
CIELab	91.13, -53.11, 20.18
CIELCh	91, 56.810, 159.195
Yxy	78.7715, 0.2713, 0.4118
Android (android.graphics.Color)	4285726653 (0xFF72FFBD)
YUV	205.3170, -8.0443, -80.0850
Hunter-Lab	88.7533, -50.9458, 21.6323

Details

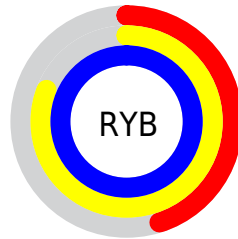
The Yxy color **78.7715, 0.2713, 0.4118** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **36.6171, 0.3979, 0.2625**, and the grayscale version is **61.3644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2265, 0.2724, 0.3398**, and **42.2172, 0.2607, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **76.7970, 0.2677, 0.4302**, and if you desaturate by 10%, it is **81.2717, 0.2766, 0.3941**.

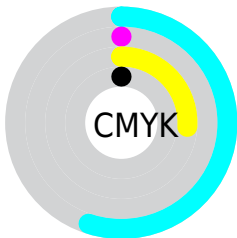
Distribution



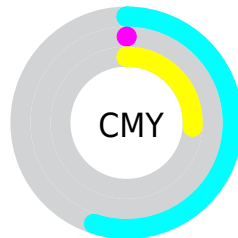
- Red (45%)
- Green (100%)
- Blue (74%)



- Red (45%)
- Yellow (81%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7715, 0.2713, 0.4118 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 78.7715, 0.2713, 0.4118 by changing the saturation by 10% instead.


 78.7715, 0.2713,
0.4118


 78.7715, 0.2713,
0.4118


490.7830, 0.2912,
0.3718


 58.7080, 0.2666,
0.4213


 131.6371, 0.2783,
0.3976

 42.3781, 0.2607,
0.4333


 165.2080, 0.2810,
0.3922

 29.3974, 0.2530,
0.4487

 204.0501, 0.2834,
0.3876

 19.3817, 0.2429,
0.4694

248.5479, 0.2854,
0.3836

 11.9464, 0.2286,
0.4985

299.0856, 0.2871,
0.3801

 6.7072, 0.2075,
0.5419


356.0478, 0.2886,


 3.2797, 0.1736,


0.3770


0.6123


419.8188, 0.2900,
0.3743


 1.2794, 0.0000,
1.0000


 0.1252, 0.0000,
1.0000


 78.7715, 0.2713,
0.4118


 78.7715, 0.2713,
0.4118


 76.7970, 0.2677,
0.4302


 81.2717, 0.2766,
0.3941


 75.2969, 0.2660,
0.4489


 84.3251, 0.2833,
0.3774


 74.2260, 0.2663,
0.4673

 87.9683, 0.2909,
0.3619

 73.5245, 0.2687,
0.4850

 92.2322, 0.2993,
0.3478

 73.2806, 0.2703,
0.4931

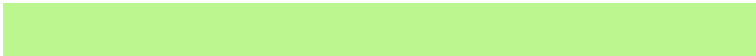
 97.1453, 0.3080,
0.3351

99.9953, 0.3127,
0.3290

Harmonies

Analogous

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



78.7715, 0.3348, 0.4491



78.7715, 0.2713, 0.4118



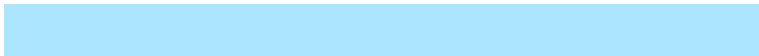
78.7715, 0.2221, 0.3446

Triad

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



78.7715, 0.2713, 0.4118



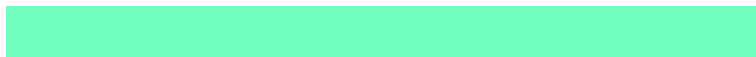
78.7715, 0.2280, 0.2263



78.7715, 0.4432, 0.3548

Complementary

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



78.7715, 0.2713, 0.4118



36.6171, 0.3979, 0.2625

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.



78.7715, 0.4091, 0.3052



78.7715, 0.2713, 0.4118



78.7715, 0.2795, 0.2349

Square

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



78.7715, 0.2713, 0.4118



78.7715, 0.2001, 0.2407



78.7715, 0.3464, 0.2629



78.7715, 0.4367, 0.4041

Rectangle

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



78.7715, 0.2713, 0.4118



78.7715, 0.2029, 0.3001



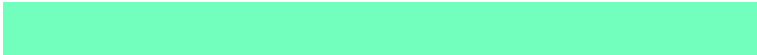
78.7715, 0.3464, 0.2629



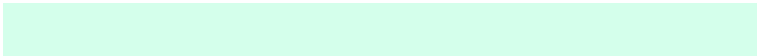
78.7715, 0.4362, 0.3379

Sweetspot

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



78.7747, 0.2713, 0.4118



91.4458, 0.2978, 0.3502



82.7025, 0.3426, 0.4874



19.3837, 0.2961, 0.3530



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.



78.7747, 0.2713, 0.4118



76.6735, 0.2675, 0.4316



80.8306, 0.2421, 0.3261



20.3296, 0.3043, 0.3404



38.3237, 0.2695, 0.4903



3.7535, 0.2640, 0.4704

Inverse Universe

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



36.6171, 0.3979, 0.2625



30.7636, 0.4243, 0.2536



35.0727, 0.4785, 0.3318



18.1287, 0.3220, 0.3179



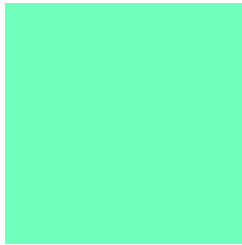
11.8397, 0.5099, 0.2582



1.1746, 0.4827, 0.2433

Previews

White Background



This preview shows how the Yxy color 78.7715, 0.2713, 0.4118 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 78.7715, 0.2713, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

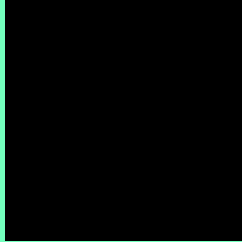
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7715, 0.2713, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 78.7715, 0.2713, 0.4118.

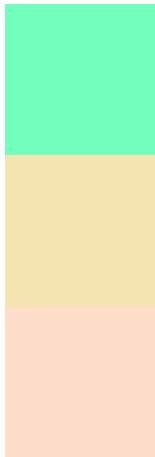


This preview shows how white text looks on a background with the Yxy color 78.7715, 0.2713, 0.4118.

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

78.7715, 0.2713, 0.4118

Protanopia

77.6761, 0.3583, 0.3837

Deuteranopia

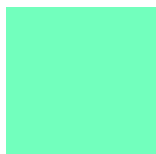
77.2847, 0.3500, 0.3474



Tritanopia

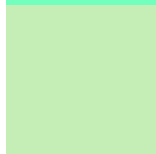
77.9752, 0.2626, 0.3122

Trichromacy



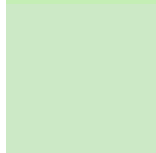
Original Color

78.7715, 0.2713, 0.4118



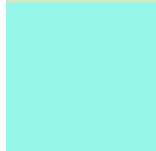
Protanomaly

76.2210, 0.3195, 0.3948



Deuteranomaly

75.1924, 0.3149, 0.3686



Tritanomaly

77.4639, 0.2651, 0.3453

Monochromacy



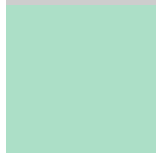
Original Color

78.7715, 0.2713, 0.4118



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 78.7715, 0.2713, 0.4118 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(114, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 78.7715, 0.2713, 0.4118 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(114, 255, 189) }
```

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

```
.border{ border-color:rgb(114, 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(114, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(114, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7715, 0.2713, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 255, 189) }
```

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

```
.background{ background-color: rgb(114,  
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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