

Converting Colors

$Yxy(78.6319, 0.2780, 0.4088)$

Have a look what the booklet for
Yxy(78.6319, 0.2780, 0.4088)
contains.

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Color

Yxy(78.6705, 0.2777, 0.4083)

Conversions

Conversions Part 1

Format	Color
Hex	82FDBD
RGB	130, 253, 189
RGB Percent	51%, 99%, 74%
CMY	0.4905, 0.0078, 0.2589
CMYK	0.49, 0.00, 0.25, 0.01
HSL	149°, 97%, 75%
HSV	149°, 49%, 99%
XYZ	53.5067, 78.6705, 60.5009
YIQ	208.9270, -52.7640, -45.9800

Conversions

Conversions Part 2

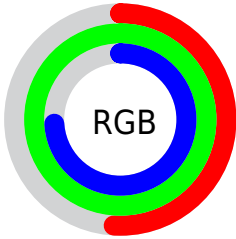
Format	Color
RYB	130, 213, 253
Decimal	8584637
CIELab	91.08, -48.72, 20.21
CIELCh	91, 52.746, 157.476
Yxy	78.6705, 0.2777, 0.4083
Android (android.graphics.Color)	4286774717 (0xFF82FDBD)
YUV	208.9270, -9.8240, -69.2190
Hunter-Lab	88.6964, -47.5373, 21.6450

Details

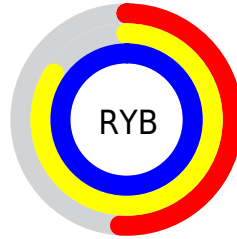
The Yxy color **78.6705, 0.2777, 0.4083** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **40.7244, 0.3762, 0.2632**, and the grayscale version is **63.7911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9314, 0.2797, 0.3396**, and **42.4943, 0.2689, 0.4302** is the 20% darker color. If you saturate the color by 10%, you get **76.3684, 0.2734, 0.4284**, and if you desaturate by 10%, it is **81.5226, 0.2834, 0.3892**.

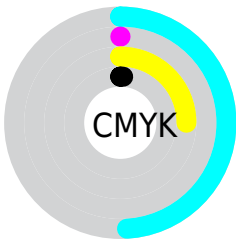
Distribution



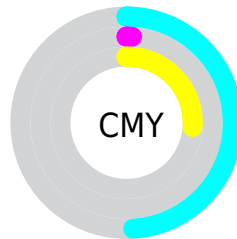
- Red (51%)
- Green (99%)
- Blue (74%)



- Red (51%)
- Yellow (84%)
- Blue (99%)



- Cyan (49%)
- Magenta (0%)
- Yellow (25%)
- Black (1%)





- Cyan (49%)
- Magenta (1%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6705, 0.2777, 0.4083 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 78.6705, 0.2777, 0.4083 by changing the saturation by 10% instead.


 78.6705, 0.2777,
0.4083

 78.6705, 0.2777,
0.4083


490.4409, 0.2946,
0.3701


 58.6249, 0.2737,
0.4174


 131.4949, 0.2837,
0.3947

 42.3113, 0.2686,
0.4288


 165.0425, 0.2860,
0.3896

 29.3451, 0.2620,
0.4435


 203.8596, 0.2880,
0.3851

 19.3420, 0.2532,
0.4633

248.3306, 0.2897,
0.3813

 11.9177, 0.2407,
0.4910

298.8398, 0.2912,
0.3780

 6.6877, 0.2221,
0.5323


355.7716, 0.2925,


 3.2675, 0.1915,


0.3750


0.5996


419.5106, 0.2936,
0.3724


 1.2730, 0.0000,
1.0000


 0.1201, 0.0000,
1.0000


 78.6705, 0.2777,
0.4083


 78.6705, 0.2777,
0.4083


 76.3684, 0.2734,
0.4284

 81.5226, 0.2834,
0.3892


 74.5686, 0.2708,
0.4491


 84.9494, 0.2902,
0.3714

 73.2310, 0.2701,
0.4697

 88.9854, 0.2977,
0.3551

 72.3045, 0.2715,
0.4897

 93.6599, 0.3057,
0.3404

 71.7167, 0.2747,
0.5084

98.7267, 0.3129,
0.3273

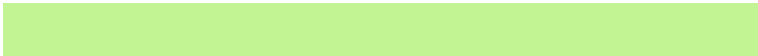
 71.6504, 0.2752,
0.5108

98.7400, 0.3128,
0.3271

Harmonies

Analogous

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



78.6705, 0.3374, 0.4407



78.6705, 0.2777, 0.4083



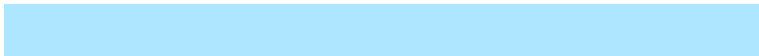
78.6705, 0.2303, 0.3475

Triad

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



78.6705, 0.2777, 0.4083



78.6705, 0.2313, 0.2329



78.6705, 0.4331, 0.3512

Complementary

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



78.6705, 0.2777, 0.4083



40.7244, 0.3762, 0.2632

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.



78.6705, 0.3994, 0.3046



78.6705, 0.2777, 0.4083



78.6705, 0.2787, 0.2396

Square

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



78.6705, 0.2777, 0.4083



78.6705, 0.2062, 0.2482



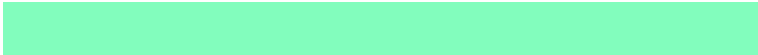
78.6705, 0.3406, 0.2652



78.6705, 0.4297, 0.3976

Rectangle

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



78.6705, 0.2777, 0.4083



78.6705, 0.2110, 0.3060



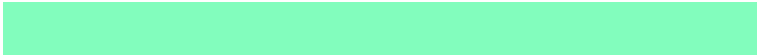
78.6705, 0.3406, 0.2652



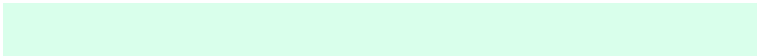
78.6705, 0.4258, 0.3353

Sweetspot

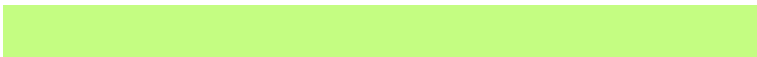
The Sweet Spot groups the original color and five complimentary colors.



78.6737, 0.2777, 0.4083



92.2376, 0.3006, 0.3496



83.5485, 0.3447, 0.4659



19.5351, 0.2989, 0.3528



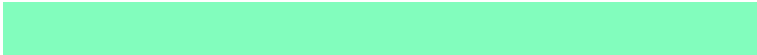
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

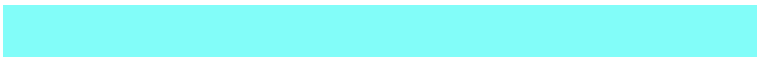
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6737, 0.2777, 0.4083



77.8690, 0.2736, 0.4271



81.8342, 0.2503, 0.3335



20.3134, 0.3050, 0.3416



38.1394, 0.2744, 0.5079



3.7354, 0.2685, 0.4866

Inverse Universe

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



40.7244, 0.3762, 0.2632



35.2584, 0.3949, 0.2524



38.5535, 0.4452, 0.3252



18.1449, 0.3212, 0.3167



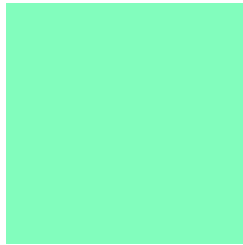
12.0189, 0.4879, 0.2461



1.1923, 0.4636, 0.2327

Previews

White Background



This preview shows how the Yxy color 78.6705, 0.2777, 0.4083 looks on a white background.

Color Contrast Check

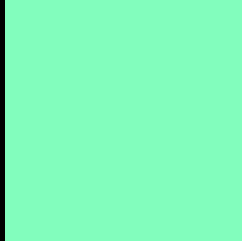
Large Text (above 18pt) WCAG AA × Fail

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 78.6705, 0.2777, 0.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

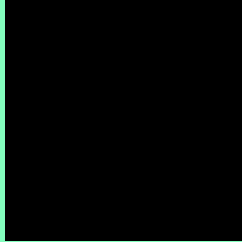
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6705, 0.2777, 0.4083

Background



This preview shows how black text looks on a background with the Yxy color 78.6705, 0.2777, 0.4083.



This preview shows how white text looks on a background with the Yxy color 78.6705, 0.2777, 0.4083.

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

78.6705, 0.2777, 0.4083

Protanopia

77.7158, 0.3576, 0.3826

Deuteranopia

77.2847, 0.3500, 0.3474



Tritanopia

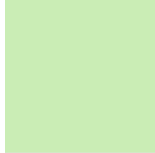
78.3108, 0.2641, 0.3123

Trichromacy



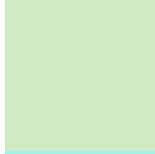
Original Color

78.6705, 0.2777, 0.4083



Protanomaly

76.4611, 0.3237, 0.3929



Deuteranomaly

76.0567, 0.3190, 0.3681



Tritanomaly

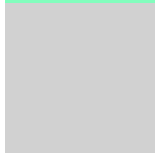
78.2424, 0.2690, 0.3451

Monochromacy



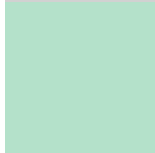
Original Color

78.6705, 0.2777, 0.4083



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.8180, 0.2965, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6705, 0.2777, 0.4083 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(130, 253, 189)` looks like.

```
.text, #text, p{  
    color:rgb(130, 253, 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(130, 253, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 253, 189) }
```

Border

The CSS property to change the border of an element to Yxy 78.6705, 0.2777, 0.4083 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(130, 253, 189) }
```

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

```
.border{ border-color:rgb(130, 253, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 253, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 253, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 253, 189);  
box-shadow:4px 4px 4px 4px rgb(130, 253,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6705, 0.2777, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 253, 189) }
```

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

```
.background{ background-color: rgb(130,  
253, 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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