

Converting Colors

$Y_{xy}(78.0833, 0.2733, 0.4025)$

Have a look what the booklet for
Yxy(78.0833, 0.2733, 0.4025)
contains.

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Color

Yxy(77.8310, 0.2735, 0.4024)

Conversions

Conversions Part 1

Format	Color
Hex	7DFCC1
RGB	125, 252, 193
RGB Percent	49%, 99%, 76%
CMY	0.5096, 0.0118, 0.2431
CMYK	0.50, 0.00, 0.23, 0.01
HSL	152°, 95%, 74%
HSV	152°, 50%, 99%
XYZ	52.8995, 77.8310, 62.6864
YIQ	207.3010, -56.7530, -45.2730

Conversions

Conversions Part 2

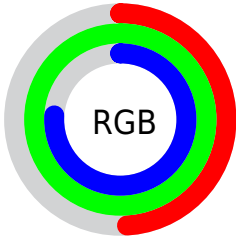
Format	Color
RYB	125, 208, 252
Decimal	8256705
CIELab	90.70, -48.64, 17.59
CIELCh	91, 51.725, 160.119
Yxy	77.8310, 0.2735, 0.4024
Android (android.graphics.Color)	4286446785 (0xFF7DFCC1)
YUV	207.3010, -7.0504, -72.1780
Hunter-Lab	88.2219, -47.3562, 19.6265

Details

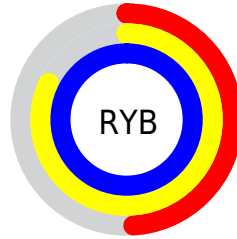
The Yxy color **77.8310, 0.2735, 0.4024** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **38.8404, 0.3875, 0.2681**, and the grayscale version is **62.6855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6125, 0.2745, 0.3343**, and **41.9184, 0.2637, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **75.6688, 0.2690, 0.4203**, and if you desaturate by 10%, it is **80.5220, 0.2795, 0.3853**.

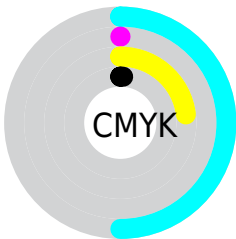
Distribution



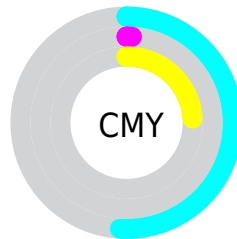
- Red (49%)
- Green (99%)
- Blue (76%)



- Red (49%)
- Yellow (82%)
- Blue (99%)



- Cyan (50%)
- Magenta (0%)
- Yellow (23%)
- Black (1%)





- Cyan (51%)
- Magenta (1%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8310, 0.2735, 0.4024 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 77.8310, 0.2735, 0.4024 by changing the saturation by 10% instead.


 77.8310, 0.2735,
0.4024

 77.8310, 0.2735,
0.4024


487.5927, 0.2922,
0.3671

 57.9352, 0.2691,
0.4108


 130.3119, 0.2801,
0.3899

 41.7565, 0.2636,
0.4213


 163.6657, 0.2827,
0.3851

 28.9107, 0.2565,
0.4349


 202.2743, 0.2848,
0.3810

 19.0133, 0.2470,
0.4531

246.5220, 0.2867,
0.3775

 11.6799, 0.2338,
0.4787

296.7933, 0.2883,
0.3744

 6.5261, 0.2143,
0.5170


353.4726, 0.2898,


 3.1675, 0.1829,


0.3717


0.5795


416.9443, 0.2911,
0.3692


 1.2198, 0.0000,
0.9529


 0.0778, 0.0000,
1.0000


 77.8310, 0.2735,
0.4024

 77.8310, 0.2735,
0.4024

 75.6688, 0.2690,
0.4203


 80.5220, 0.2795,
0.3853


 73.9879, 0.2663,
0.4388

 83.7664, 0.2868,
0.3693


 72.7478, 0.2656,
0.4572

 87.5987, 0.2949,
0.3547

 71.8969, 0.2670,
0.4752

 92.0476, 0.3035,
0.3414

 71.3652, 0.2699,
0.4917

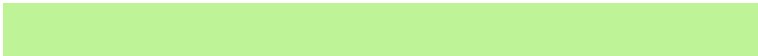
 97.1399, 0.3124,
0.3294

 98.0994, 0.3128,
0.3261

Harmonies

Analogous

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



77.8310, 0.3319, 0.4376



77.8310, 0.2735, 0.4024



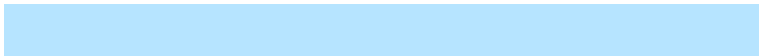
77.8310, 0.2284, 0.3417

Triad

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



77.8310, 0.2735, 0.4024



77.8310, 0.2358, 0.2340



77.8310, 0.4324, 0.3552

Complementary

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



77.8310, 0.2735, 0.4024



38.8404, 0.3875, 0.2681

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.



77.8310, 0.4023, 0.3089



77.8310, 0.2735, 0.4024



77.8310, 0.2842, 0.2424

Square

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



77.8310, 0.2735, 0.4024



77.8310, 0.2090, 0.2471



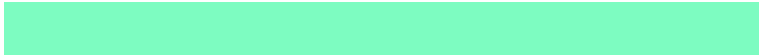
77.8310, 0.3457, 0.2690



77.8310, 0.4260, 0.4005

Rectangle

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



77.8310, 0.2735, 0.4024



77.8310, 0.2108, 0.3015



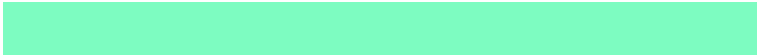
77.8310, 0.3457, 0.2690



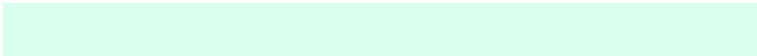
77.8310, 0.4263, 0.3395

Sweetspot

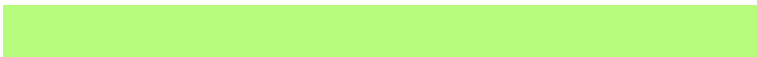
The Sweet Spot groups the original color and five complimentary colors.



77.8341, 0.2735, 0.4024



92.3609, 0.2994, 0.3473



81.3287, 0.3398, 0.4736



19.5647, 0.2976, 0.3502



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.



77.8341, 0.2735, 0.4024



77.8009, 0.2691, 0.4197



78.3839, 0.2460, 0.3239



19.4646, 0.3043, 0.3402



37.2058, 0.2691, 0.4889



3.4673, 0.2634, 0.4682

Inverse Universe

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



38.8404, 0.3875, 0.2681



33.7841, 0.4099, 0.2586



37.9545, 0.4550, 0.3338



17.3595, 0.3221, 0.3180



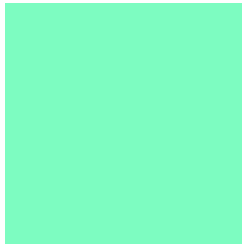
11.4801, 0.5112, 0.2590



1.0844, 0.4826, 0.2432

Previews

White Background



This preview shows how the Yxy color 77.8310, 0.2735, 0.4024 looks on a white background.

Color Contrast Check

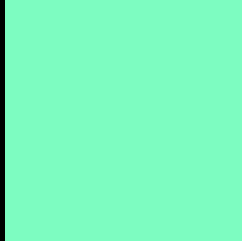
Large Text (above 18pt) WCAG AA × Fail

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 77.8310, 0.2735, 0.4024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

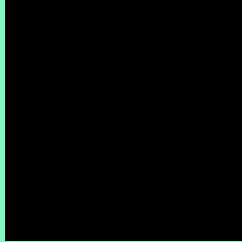
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8310, 0.2735, 0.4024

Background



This preview shows how black text looks on a background with the Yxy color 77.8310, 0.2735, 0.4024.



This preview shows how white text looks on a background with the Yxy color 77.8310, 0.2735, 0.4024.

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

77.8310, 0.2735, 0.4024

Protanopia

76.4297, 0.3539, 0.3766

Deuteranopia

76.2348, 0.3504, 0.3454



Tritanopia

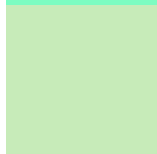
77.1685, 0.2614, 0.3110

Trichromacy



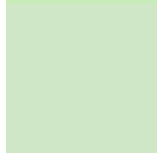
Original Color

77.8310, 0.2735, 0.4024



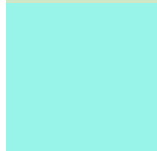
Protanomaly

75.0616, 0.3194, 0.3865



Deuteranomaly

74.6852, 0.3172, 0.3650



Tritanomaly

77.2030, 0.2659, 0.3429

Monochromacy



Original Color

77.8310, 0.2735, 0.4024



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.3867, 0.2945, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8310, 0.2735, 0.4024 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(125, 252, 193)` looks like.

```
.text, #text, p{  
    color:rgb(125, 252, 193)  
}
```

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(125, 252, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 252, 193) }
```

Border

The CSS property to change the border of an element to Yxy 77.8310, 0.2735, 0.4024 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(125, 252, 193) }
```

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

```
.border{ border-color:rgb(125, 252, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 252, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 252, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 252, 193);  
box-shadow:4px 4px 4px 4px rgb(125, 252,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8310, 0.2735, 0.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 252, 193) }
```

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

```
.background{ background-color: rgb(125,  
252, 193) }
```

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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