

Converting Colors

$Y_{xy}(78.4512, 0.2625, 0.3999)$

Have a look what the booklet for
Yxy(78.4512, 0.2625, 0.3999)
contains.

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Color

Yxy(78.4683, 0.2624, 0.3994)

Conversions

Conversions Part 1

Format	Color
Hex	66FFC7
RGB	102, 255, 199
RGB Percent	40%, 100%, 78%
CMY	0.5997, 0.0000, 0.2197
CMYK	0.60, 0.00, 0.22, 0.00
HSL	158°, 100%, 70%
HSV	158°, 60%, 100%
XYZ	51.5525, 78.4683, 66.4446
YIQ	202.8690, -73.2120, -49.8520

Conversions

Conversions Part 2

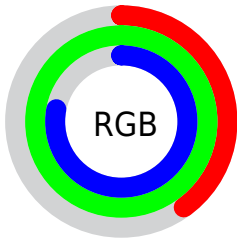
Format	Color
RYB	102, 196, 255
Decimal	6750151
CIELab	90.99, -53.42, 14.83
CIELCh	91, 55.436, 164.483
Yxy	78.4683, 0.2624, 0.3994
Android (android.graphics.Color)	4284940231 (0xFF66FFC7)
YUV	202.8690, -1.9074, -88.4621
Hunter-Lab	88.5823, -51.1369, 17.5349

Details

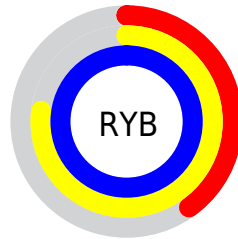
The Yxy color **78.4683, 0.2624, 0.3994** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.2518, 0.4295, 0.2737**, and the grayscale version is **59.6952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.0480, 0.2501, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **76.7815, 0.2588, 0.4137**, and if you desaturate by 10%, it is **80.6461, 0.2678, 0.3856**.

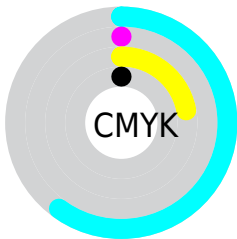
Distribution



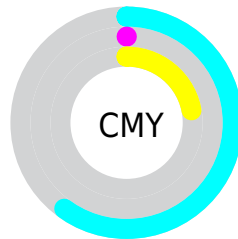
- Red (40%)
- Green (100%)
- Blue (78%)



- Red (40%)
- Yellow (77%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4683, 0.2624, 0.3994 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 78.4683, 0.2624, 0.3994 by changing the saturation by 10% instead.

 78.4683, 0.2624,
0.3994


 78.4683, 0.2624,
0.3994


489.7558, 0.2860,
0.3657


 58.4588, 0.2569,
0.4074

 131.2101, 0.2707,
0.3875

 42.1776, 0.2502,
0.4173


 164.7111, 0.2739,
0.3829

 29.2404, 0.2415,
0.4302


 203.4780, 0.2766,
0.3790

 19.2627, 0.2302,
0.4473

247.8953, 0.2790,
0.3756

 11.8603, 0.2147,
0.4713

298.3474, 0.2811,
0.3727

 6.6486, 0.1923,
0.5068


355.2185, 0.2829,


 3.2433, 0.1578,


0.3701


0.5644


418.8932, 0.2846,
0.3678


 1.2601, 0.0000,
0.8138


 0.1100, 0.0000,
1.0000


 78.4683, 0.2624,
0.3994


 78.4683, 0.2624,
0.3994


 76.7815, 0.2588,
0.4137


 80.6461, 0.2678,
0.3856


 75.5324, 0.2573,
0.4281


 83.3441, 0.2749,
0.3724


 74.6717, 0.2578,
0.4423

 86.5999, 0.2832,
0.3601

 74.1144, 0.2601,
0.4563

 90.4449, 0.2925,
0.3487

 74.1127, 0.2601,
0.4563

 94.9084, 0.3024,
0.3383

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



78.4683, 0.3233, 0.4429



78.4683, 0.2624, 0.3994



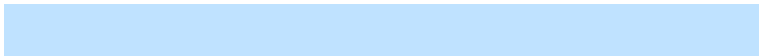
78.4683, 0.2179, 0.3323

Triad

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



78.4683, 0.2624, 0.3994



78.4683, 0.2371, 0.2282



78.4683, 0.4420, 0.3633

Complementary

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



78.4683, 0.2624, 0.3994



33.2518, 0.4295, 0.2737

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.



78.4683, 0.4154, 0.3141



78.4683, 0.2624, 0.3994



78.4683, 0.2911, 0.2403

Square

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



78.4683, 0.2624, 0.3994



78.4683, 0.2053, 0.2383



78.4683, 0.3575, 0.2707



78.4683, 0.4291, 0.4106

Rectangle

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



78.4683, 0.2624, 0.3994



78.4683, 0.2021, 0.2907



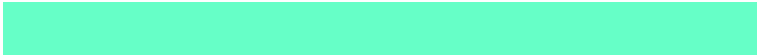
78.4683, 0.3575, 0.2707



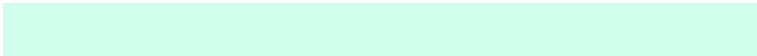
78.4683, 0.4375, 0.3467

Sweetspot

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



78.4714, 0.2624, 0.3994



91.2737, 0.2944, 0.3466



79.7650, 0.3325, 0.5071



19.2759, 0.2916, 0.3497



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

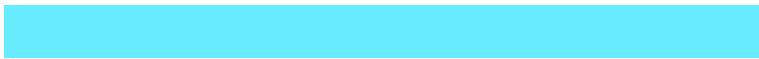
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4714, 0.2624, 0.3994



76.4941, 0.2583, 0.4166



69.2436, 0.2335, 0.3043



20.3619, 0.3029, 0.3379



38.7556, 0.2595, 0.4540



3.7945, 0.2550, 0.4381

Inverse Universe

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



33.2518, 0.4295, 0.2737



27.6719, 0.4678, 0.2688



36.2566, 0.4879, 0.3492



18.0971, 0.3236, 0.3203



11.5519, 0.5519, 0.2814



1.1449, 0.5208, 0.2642

Previews

White Background



This preview shows how the Yxy color 78.4683, 0.2624, 0.3994 looks on a white background.

Color Contrast Check

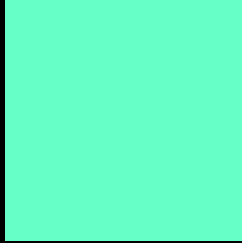
Large Text (above 18pt) WCAG AA × Fail

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 78.4683, 0.2624, 0.3994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

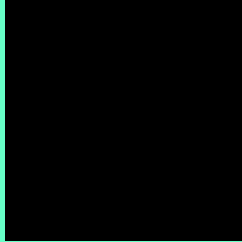
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.4683, 0.2624, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 78.4683, 0.2624, 0.3994.

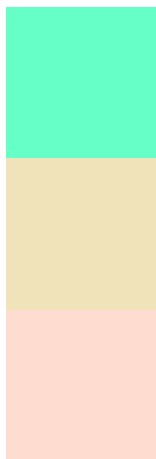


This preview shows how white text looks on a background with the Yxy color 78.4683, 0.2624, 0.3994.

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

78.4683, 0.2624, 0.3994

Protanopia

77.1417, 0.3509, 0.3734

Deuteranopia

77.0005, 0.3467, 0.3413



Tritanopia

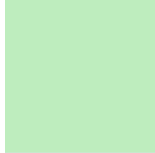
78.0231, 0.2602, 0.3132

Trichromacy



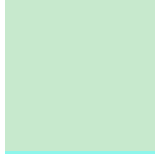
Original Color

78.4683, 0.2624, 0.3994



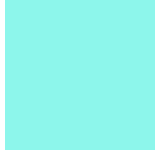
Protanomaly

75.2332, 0.3101, 0.3837



Deuteranomaly

74.8277, 0.3072, 0.3608



Tritanomaly

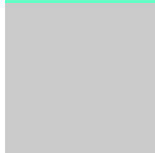
77.5724, 0.2597, 0.3418

Monochromacy



Original Color

78.4683, 0.2624, 0.3994



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6138, 0.2874, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4683, 0.2624, 0.3994 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(102, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 199)  
}
```

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(102, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 199) }
```

Border

The CSS property to change the border of an element to Yxy 78.4683, 0.2624, 0.3994 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(102, 255, 199) }
```

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

```
.border{ border-color:rgb(102, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4683, 0.2624, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 199) }
```

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

```
.background{ background-color: rgb(102,  
255, 199) }
```

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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