

Converting Colors

$Yxy(78.3515, 0.2630, 0.3862)$

Have a look what the booklet for
Yxy(78.3515, 0.2630, 0.3862)
contains.

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Color

Yxy(78.3330, 0.2627, 0.3859)

Conversions

Conversions Part 1

Format	Color
Hex	72FDCF
RGB	114, 253, 207
RGB Percent	45%, 99%, 81%
CMY	0.5530, 0.0078, 0.1883
CMYK	0.55, 0.00, 0.18, 0.01
HSL	160°, 97%, 72%
HSV	160°, 55%, 99%
XYZ	53.3249, 78.3330, 71.3299
YIQ	206.1950, -68.0780, -43.7740

Conversions

Conversions Part 2

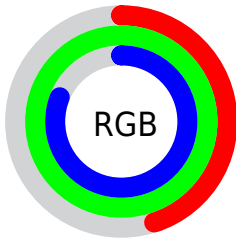
Format	Color
RYB	114, 197, 253
Decimal	7536079
CIELab	90.93, -48.53, 10.66
CIELCh	91, 49.687, 167.606
Yxy	78.3330, 0.2627, 0.3859
Android (android.graphics.Color)	4285726159 (0xFF72FDCE)
YUV	206.1950, 0.3969, -80.8550
Hunter-Lab	88.5059, -47.3390, 14.1703

Details

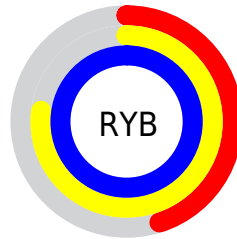
The Yxy color **78.3330, 0.2627, 0.3859** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **35.4566, 0.4208, 0.2822**, and the grayscale version is **61.8833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **42.3152, 0.2509, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **76.4689, 0.2579, 0.3985**, and if you desaturate by 10%, it is **80.6942, 0.2693, 0.3738**.

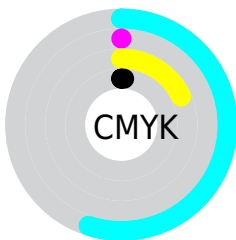
Distribution



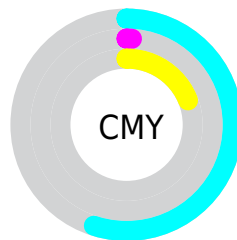
- Red (45%)
- Green (99%)
- Blue (81%)



- Red (45%)
- Yellow (77%)
- Blue (99%)



- Cyan (55%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)





- Cyan (55%)
- Magenta (1%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3330, 0.2627, 0.3859 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 78.3330, 0.2627, 0.3859 by changing the saturation by 10% instead.


 78.3330, 0.2627,
0.3859


 78.3330, 0.2627,
0.3859


489.2970, 0.2859,
0.3589


 58.3476, 0.2574,
0.3922

 131.0194, 0.2708,
0.3764

 42.0881, 0.2508,
0.4001


 164.4892, 0.2739,
0.3728

 29.1703, 0.2425,
0.4102


 203.2226, 0.2766,
0.3696

 19.2097, 0.2317,
0.4236

247.6040, 0.2789,
0.3669

 11.8219, 0.2170,
0.4421

298.0177, 0.2810,
0.3646

 6.6225, 0.1960,
0.4695


354.8482, 0.2828,


 3.2272, 0.1639,


0.3625


0.5135


418.4798, 0.2845,
0.3606


 1.2515, 0.0000,
0.6863


 0.1031, 0.0000,
1.0000

 78.3330, 0.2627,
0.3859


 78.3330, 0.2627,
0.3859


 76.4689, 0.2579,
0.3985

 80.6942, 0.2693,
0.3738


 75.0524, 0.2550,
0.4113


 83.5786, 0.2774,
0.3624


 74.0400, 0.2542,
0.4242

 87.0215, 0.2866,
0.3517

 73.3744, 0.2553,
0.4369

 91.0524, 0.2967,
0.3419

 73.1284, 0.2565,
0.4433

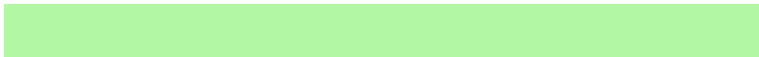
 95.6988, 0.3073,
0.3331

 98.7346, 0.3128,
0.3271

Harmonies

Analogous

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



78.3330, 0.3170, 0.4278



78.3330, 0.2627, 0.3859



78.3330, 0.2241, 0.3264

Triad

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



78.3330, 0.2627, 0.3859



78.3330, 0.2487, 0.2376



78.3330, 0.4293, 0.3659

Complementary

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



78.3330, 0.2627, 0.3859



35.4566, 0.4208, 0.2822

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.



78.3330, 0.4088, 0.3207



78.3330, 0.2627, 0.3859



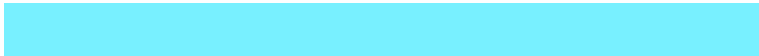
78.3330, 0.2995, 0.2505

Square

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



78.3330, 0.2627, 0.3859



78.3330, 0.2171, 0.2450



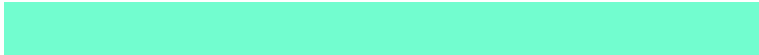
78.3330, 0.3593, 0.2799



78.3330, 0.4149, 0.4076

Rectangle

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



78.3330, 0.2627, 0.3859



78.3330, 0.2110, 0.2902



78.3330, 0.3593, 0.2799



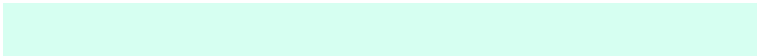
78.3330, 0.4264, 0.3508

Sweetspot

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



78.3361, 0.2627, 0.3859



92.2266, 0.2956, 0.3429



78.9775, 0.3294, 0.4933



19.5515, 0.2935, 0.3449



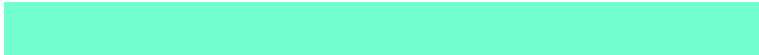
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.3361, 0.2627, 0.3859



77.6684, 0.2574, 0.3999



67.1731, 0.2371, 0.3009



20.3732, 0.3024, 0.3370



38.9275, 0.2559, 0.4412



3.8105, 0.2519, 0.4268

Inverse Universe

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



35.4566, 0.4208, 0.2822



29.9935, 0.4567, 0.2765



40.0371, 0.4630, 0.3530



18.0863, 0.3242, 0.3212



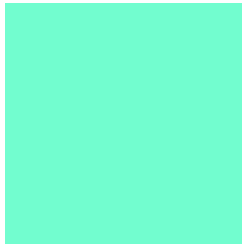
11.4712, 0.5655, 0.2889



1.1362, 0.5337, 0.2714

Previews

White Background



This preview shows how the Yxy color 78.3330, 0.2627, 0.3859 looks on a white background.

Color Contrast Check

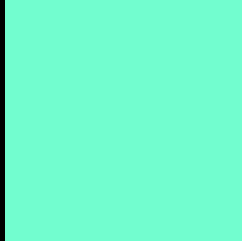
Large Text (above 18pt) WCAG AA × Fail

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 78.3330, 0.2627, 0.3859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

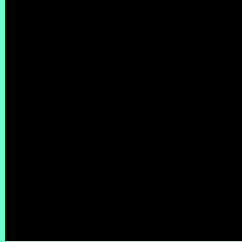
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.3330, 0.2627, 0.3859

Background



This preview shows how black text looks on a background with the Yxy color 78.3330, 0.2627, 0.3859.

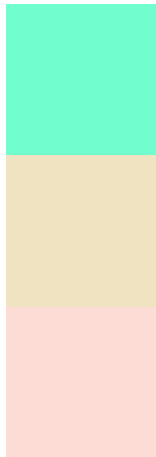


This preview shows how white text looks on a background with the Yxy color 78.3330, 0.2627, 0.3859.

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

78.3330, 0.2627, 0.3859

Protanopia

77.1839, 0.3433, 0.3639

Deuteranopia

77.1123, 0.3416, 0.3352



Tritanopia

77.6472, 0.2610, 0.3121

Trichromacy



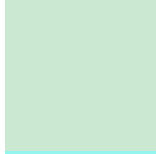
Original Color

78.3330, 0.2627, 0.3859



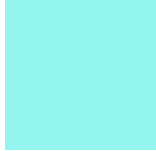
Protanomaly

75.5838, 0.3074, 0.3715



Deuteranomaly

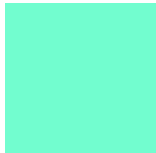
75.1129, 0.3062, 0.3526



Tritanomaly

77.6809, 0.2608, 0.3370

Monochromacy



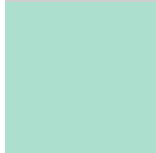
Original Color

78.3330, 0.2627, 0.3859



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.1158, 0.2895, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3330, 0.2627, 0.3859 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, 253, 207)` looks like.

```
.text, #text, p{  
    color:rgb(114, 253, 207)  
}
```

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, 253, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 253, 207) }
```

Border

The CSS property to change the border of an element to Yxy 78.3330, 0.2627, 0.3859 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, 253, 207) }
```

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

```
.border{ border-color:rgb(114, 253, 207) }
```

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

Here you see how a box with a 4 pixel rgb(114, 253, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 253, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 253, 207);  
box-shadow:4px 4px 4px 4px rgb(114, 253,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3330, 0.2627, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 253, 207) }
```

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

```
.background{ background-color: rgb(114,  
253, 207) }
```

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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