

Converting Colors

$Y_{xy}(100.0000, 0.2497, 0.3965)$

Have a look what the booklet for
Yxy(100.0000, 0.2497, 0.3965)
contains.

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Color

Yxy(78.3866, 0.2413, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	45FFE4
RGB	69, 255, 228
RGB Percent	27%, 100%, 89%
CMY	0.7300, 0.0000, 0.1059
CMYK	0.73, 0.00, 0.11, 0.00
HSL	171°, 100%, 63%
HSV	171°, 73%, 100%
XYZ	52.2072, 78.3866, 85.7644
YIQ	196.3080, -102.1890, -47.8290

Conversions

Conversions Part 2

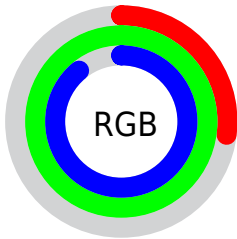
Format	Color
RYB	69, 169, 255
Decimal	4587492
CIELab	90.96, -51.54, -0.30
CIELCh	91, 51.537, 180.332
Yxy	78.3866, 0.2413, 0.3623
Android (android.graphics.Color)	4282777572 (0xFF45FFE4)
YUV	196.3080, 15.6242, -111.6491
Hunter-Lab	88.5362, -49.6821, 4.5415

Details

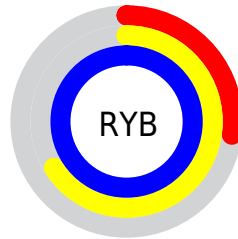
The Yxy color **78.3866, 0.2413, 0.3623** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.3394, 0.5316, 0.3080**, and the grayscale version is **55.3162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **42.9496, 0.2355, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **77.4383, 0.2385, 0.3675**, and if you desaturate by 10%, it is **79.7264, 0.2460, 0.3571**.

Distribution



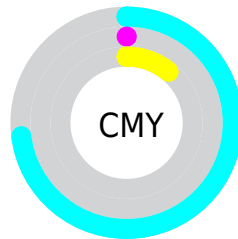
- Red (27%)
- Green (100%)
- Blue (89%)



- Red (27%)
- Yellow (66%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (73%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3866, 0.2413, 0.3623 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 78.3866, 0.2413, 0.3623 by changing the saturation by 10% instead.


 78.3866, 0.2413,
0.3623


 78.3866, 0.2413,
0.3623


489.4788, 0.2736,
0.3473


 58.3916, 0.2342,
0.3656

 131.0950, 0.2523,
0.3572

 42.1236, 0.2254,
0.3697


 164.5771, 0.2567,
0.3552

 29.1981, 0.2146,
0.3747

 203.3238, 0.2604,
0.3534

 19.2307, 0.2008,
0.3811

 247.7194, 0.2637,
0.3519

 11.8371, 0.1826,
0.3895

298.1483, 0.2666,
0.3505

 6.6328, 0.1578,
0.4009


354.9949, 0.2692,


 3.2336, 0.1227,


0.3493


0.4169


418.6436, 0.2715,
0.3483

 1.2549, 0.0000,
0.4740


 0.1058, 0.0000,
0.4375


 78.3866, 0.2413,
0.3623


 78.3866, 0.2413,
0.3623


 77.4383, 0.2385,
0.3675


 79.7264, 0.2460,
0.3571

 76.8454, 0.2376,
0.3727

 81.5226, 0.2527,
0.3520

 76.5816, 0.2378,
0.3762

 83.8084, 0.2613,
0.3471

 86.6189, 0.2714,
0.3424

89.9861, 0.2829,
0.3379

93.9394, 0.2954,
0.3338

98.5059, 0.3086,
0.3301

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.3866, 0.2919, 0.4173



78.3866, 0.2413, 0.3623



78.3866, 0.2112, 0.3013

Triad

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



78.3866, 0.2413, 0.3623



78.3866, 0.2667, 0.2379



78.3866, 0.4314, 0.3861

Complementary

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



78.3866, 0.2413, 0.3623



26.3394, 0.5316, 0.3080

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.



78.3866, 0.4258, 0.3398



78.3866, 0.2413, 0.3623



78.3866, 0.3251, 0.2590

Square

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



78.3866, 0.2413, 0.3623



78.3866, 0.2250, 0.2362



78.3866, 0.3853, 0.2950



78.3866, 0.4027, 0.4245

Rectangle

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



78.3866, 0.2413, 0.3623



78.3866, 0.2049, 0.2692



78.3866, 0.3853, 0.2950



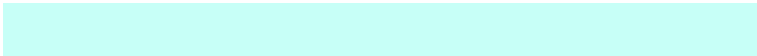
78.3866, 0.4337, 0.3710

Sweetspot

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



78.3802, 0.2413, 0.3623



90.3551, 0.2841, 0.3375



74.4765, 0.3115, 0.5558



19.1287, 0.2808, 0.3387



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.



78.3802, 0.2413, 0.3623



77.1023, 0.2379, 0.3701



45.2400, 0.2097, 0.2440



20.4335, 0.2999, 0.3325



40.0328, 0.2376, 0.3754



3.9097, 0.2360, 0.3695

Inverse Universe

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



26.3394, 0.5316, 0.3080



22.5800, 0.5916, 0.3134



38.7381, 0.5085, 0.3875



18.0300, 0.3271, 0.3256



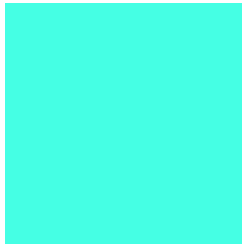
11.1915, 0.6208, 0.3194



1.1019, 0.5943, 0.3047

Previews

White Background



This preview shows how the Yxy color 78.3866, 0.2413, 0.3623 looks on a white background.

Color Contrast Check

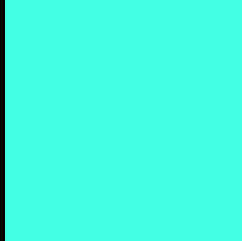
Large Text (above 18pt) WCAG AA × Fail

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 78.3866, 0.2413, 0.3623 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 78.3866, 0.2413, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 78.3866, 0.2413, 0.3623.

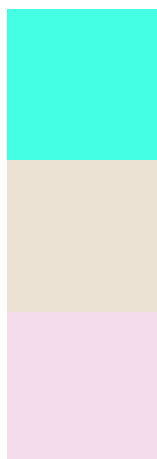


This preview shows how white text looks on a background with the Yxy color 78.3866, 0.2413, 0.3623.

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

78.3866, 0.2413, 0.3623

Protanopia

76.8083, 0.3283, 0.3438

Deuteranopia

76.6550, 0.3199, 0.3128



Tritanopia

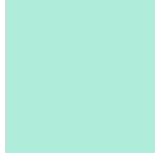
77.3997, 0.2573, 0.3131

Trichromacy



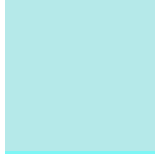
Original Color

78.3866, 0.2413, 0.3623



Protanomaly

74.7443, 0.2847, 0.3510



Deuteranomaly

73.9848, 0.2796, 0.3289



Tritanomaly

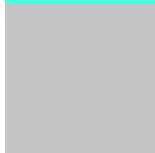
76.9397, 0.2489, 0.3300

Monochromacy



Original Color

78.3866, 0.2413, 0.3623



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.6638, 0.2736, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3866, 0.2413, 0.3623 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(69, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 228)  
}
```

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(69, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 78.3866, 0.2413, 0.3623 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(69, 255, 228) }
```

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

```
.border{ border-color:rgb(69, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3866, 0.2413, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 228) }
```

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

```
.background{ background-color: rgb(69, 255,  
228) }
```

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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