

Converting Colors

$Y_{xy}(117.2100, 0.2585, 0.4216)$

Have a look what the booklet for
Yxy(117.2100, 0.2585, 0.4216)
contains.

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Color

Yxy(78.6416, 0.2463, 0.3685)

Conversions

Conversions Part 1

Format	Color
Hex	52FFDF
RGB	82, 255, 223
RGB Percent	32%, 100%, 87%
CMY	0.6780, 0.0000, 0.1256
CMYK	0.68, 0.00, 0.13, 0.00
HSL	169°, 100%, 66%
HSV	169°, 68%, 100%
XYZ	52.5629, 78.6416, 82.2055
YIQ	199.6250, -92.8360, -46.6280

Conversions

Conversions Part 2

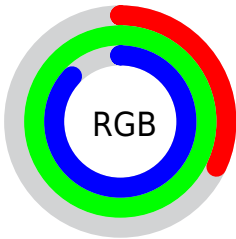
Format	Color
RYB	82, 177, 255
Decimal	5439455
CIELab	91.07, -51.11, 2.49
CIELCh	91, 51.168, 177.208
Yxy	78.6416, 0.2463, 0.3685
Android (android.graphics.Color)	4283629535 (0xFF52FFDF)
YUV	199.6250, 11.5239, -103.1571
Hunter-Lab	88.6801, -49.3888, 7.1148

Details

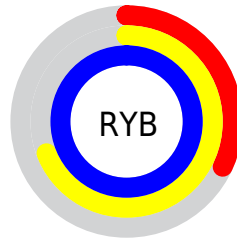
The Yxy color **78.6416, 0.2463, 0.3685** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **28.5280, 0.4990, 0.3009**, and the grayscale version is **57.5050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **42.7597, 0.2378, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **77.4532, 0.2428, 0.3753**, and if you desaturate by 10%, it is **80.2678, 0.2518, 0.3618**.

Distribution



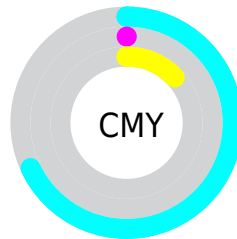
- Red (32%)
- Green (100%)
- Blue (87%)



- Red (32%)
- Yellow (69%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6416, 0.2463, 0.3685 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 78.6416, 0.2463, 0.3685 by changing the saturation by 10% instead.


 78.6416, 0.2463,
0.3685


 78.6416, 0.2463,
0.3685


490.3431, 0.2765,
0.3504


 58.6012, 0.2396,
0.3726


 131.4542, 0.2566,
0.3622


 42.2922, 0.2314,
0.3776


 164.9951, 0.2607,
0.3598

 29.3301, 0.2211,
0.3839


 203.8051, 0.2642,
0.3577

 19.3307, 0.2079,
0.3921

 248.2684, 0.2673,
0.3559

 11.9095, 0.1905,
0.4031

298.7694, 0.2700,
0.3542

 6.6821, 0.1665,
0.4185


355.6926, 0.2724,


 3.2641, 0.1320,


0.3528


0.4414


419.4224, 0.2745,
0.3515


 1.2711, 0.0000,
0.5199


 0.1187, 0.0000,
1.0000


 78.6416, 0.2463,
0.3685


 78.6416, 0.2463,
0.3685


 77.4532, 0.2428,
0.3753


 80.2678, 0.2518,
0.3618


 76.6437, 0.2413,
0.3821

 82.3649, 0.2591,
0.3553

 76.1498, 0.2416,
0.3888

 84.9731, 0.2682,
0.3490

 76.0624, 0.2417,
0.3902

 88.1257, 0.2786,
0.3431

■ 91.8534, 0.2902,
0.3376

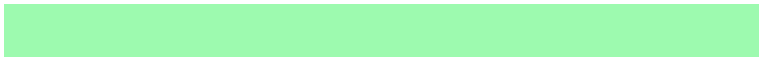
■ 96.1843, 0.3026,
0.3326

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



78.6416, 0.2981, 0.4207



78.6416, 0.2463, 0.3685



78.6416, 0.2140, 0.3074

Triad

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



78.6416, 0.2463, 0.3685



78.6416, 0.2618, 0.2375



78.6416, 0.4316, 0.3812

Complementary

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



78.6416, 0.2463, 0.3685



28.5280, 0.4990, 0.3009

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.



78.6416, 0.4221, 0.3350



78.6416, 0.2463, 0.3685



78.6416, 0.3185, 0.2565

Square

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



78.6416, 0.2463, 0.3685



78.6416, 0.2226, 0.2380



78.6416, 0.3791, 0.2910



78.6416, 0.4063, 0.4206

Rectangle

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



78.6416, 0.2463, 0.3685



78.6416, 0.2059, 0.2740



78.6416, 0.3791, 0.2910



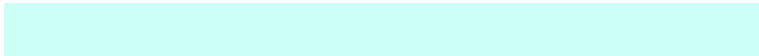
78.6416, 0.4325, 0.3660

Sweetspot

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



78.6446, 0.2463, 0.3685



90.9839, 0.2876, 0.3388



75.8903, 0.3167, 0.5391



19.2451, 0.2843, 0.3403



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.



78.6446, 0.2463, 0.3685



77.1560, 0.2421, 0.3775



51.7922, 0.2178, 0.2628



20.4204, 0.3005, 0.3334



39.7653, 0.2414, 0.3891



3.8861, 0.2393, 0.3814

Inverse Universe

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



28.5280, 0.4990, 0.3009



24.0942, 0.5544, 0.3034



38.9134, 0.4979, 0.3778



18.0420, 0.3265, 0.3246



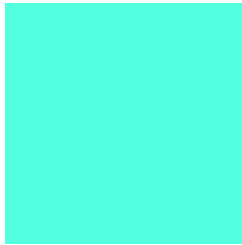
11.2327, 0.6118, 0.3144



1.1077, 0.5827, 0.2984

Previews

White Background



This preview shows how the Yxy color 78.6416, 0.2463, 0.3685 looks on a white background.

Color Contrast Check

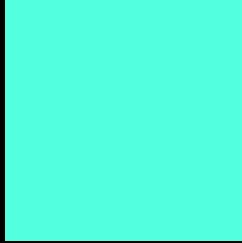
Large Text (above 18pt) WCAG AA × Fail

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 78.6416, 0.2463, 0.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

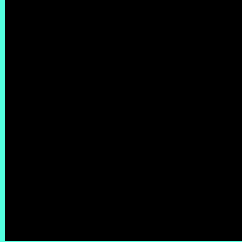
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6416, 0.2463, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 78.6416, 0.2463, 0.3685.

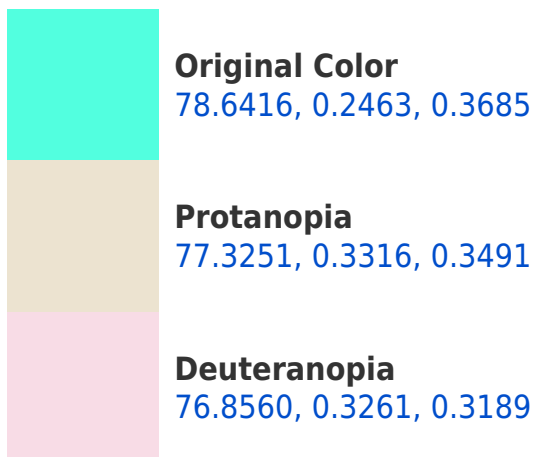


This preview shows how white text looks on a background with the Yxy color 78.6416, 0.2463, 0.3685.

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





Tritanopia

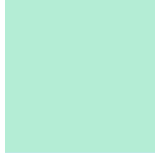
77.7077, 0.2587, 0.3132

Trichromacy



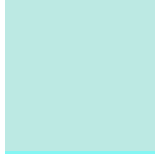
Original Color

78.6416, 0.2463, 0.3685



Protanomaly

75.0758, 0.2905, 0.3568



Deuteranomaly

74.5152, 0.2872, 0.3357



Tritanomaly

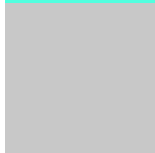
77.2881, 0.2522, 0.3323

Monochromacy



Original Color

78.6416, 0.2463, 0.3685



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.9086, 0.2782, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6416, 0.2463, 0.3685 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(82, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 223)  
}
```

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(82, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 78.6416, 0.2463, 0.3685 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(82, 255, 223) }
```

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

```
.border{ border-color:rgb(82, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(82, 255, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(82, 255, 223); box-shadow:4px 4px 4px 4px rgb(82, 255, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6416, 0.2463, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 223) }
```

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

```
.background{ background-color: rgb(82, 255,  
223) }
```

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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