

Converting Colors

$Y_{xy}(85.9970, 0.2564, 0.4024)$

Have a look what the booklet for
Yxy(85.9970, 0.2564, 0.4024)
contains.

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Color

Yxy(77.9563, 0.2537, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	55FFCF
RGB	85, 255, 207
RGB Percent	33%, 100%, 81%
CMY	0.6663, 0.0000, 0.1882
CMYK	0.67, 0.00, 0.19, 0.00
HSL	163°, 100%, 67%
HSV	163°, 67%, 100%
XYZ	50.7767, 77.9563, 71.4116
YIQ	198.6980, -85.9120, -50.9680

Conversions

Conversions Part 2

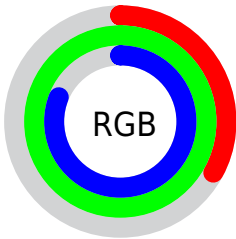
Format	Color
R_{YB}	85, 184, 255
Decimal	5636047
CIE _{Lab}	90.76, -54.47, 10.30
CIE _{LCh}	91, 55.432, 169.289
Yxy	77.9563, 0.2537, 0.3895
Android (android.graphics.Color)	4283826127 (0xFF55FFCF)
YUV	198.6980, 4.0929, -99.7131
Hunter-Lab	88.2929, -51.8583, 13.8510

Details

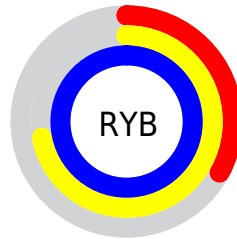
The Yxy color **77.9563, 0.2537, 0.3895** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **29.4680, 0.4707, 0.2846**, and the grayscale version is **56.9518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **42.2324, 0.2452, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **76.6273, 0.2508, 0.4003**, and if you desaturate by 10%, it is **79.7374, 0.2586, 0.3789**.

Distribution



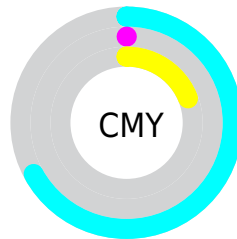
- Red (33%)
- Green (100%)
- Blue (81%)



- Red (33%)
- Yellow (72%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9563, 0.2537, 0.3895 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 77.9563, 0.2537, 0.3895 by changing the saturation by 10% instead.


 77.9563, 0.2537,
0.3895


 77.9563, 0.2537,
0.3895


488.0184, 0.2810,
0.3608


 58.0381, 0.2475,
0.3962

 130.4885, 0.2632,
0.3794

 41.8393, 0.2398,
0.4046


 163.8713, 0.2669,
0.3755

 28.9755, 0.2301,
0.4153


 202.5111, 0.2700,
0.3722

 19.0623, 0.2175,
0.4295

 246.7922, 0.2728,
0.3693

 11.7153, 0.2006,
0.4492

297.0991, 0.2752,
0.3668

 6.5501, 0.1766,
0.4780

353.8162, 0.2774,


 3.1824, 0.1408,


0.3646


0.5241

417.3278, 0.2793,
0.3626

 1.2277, 0.0000,
0.6804


 0.0841, 0.0000,
1.0000


 77.9563, 0.2537,
0.3895


 77.9563, 0.2537,
0.3895


 76.6273, 0.2508,
0.4003


 79.7374, 0.2586,
0.3789


 75.6924, 0.2499,
0.4111

 82.0030, 0.2654,
0.3686

 75.0932, 0.2509,
0.4218

 84.7931, 0.2737,
0.3589

 74.9357, 0.2515,
0.4254

 88.1407, 0.2833,
0.3498

■ 92.0763, 0.2938,
0.3413

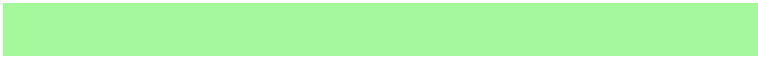
■ 96.6281, 0.3051,
0.3337

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



77.9563, 0.3130, 0.4390



77.9563, 0.2537, 0.3895



77.9563, 0.2129, 0.3217

Triad

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



77.9563, 0.2537, 0.3895



77.9563, 0.2442, 0.2286



77.9563, 0.4428, 0.3713

Complementary

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



77.9563, 0.2537, 0.3895



29.4680, 0.4707, 0.2846

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.



77.9563, 0.4224, 0.3217



77.9563, 0.2537, 0.3895



77.9563, 0.3013, 0.2439

Square

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



77.9563, 0.2537, 0.3895



77.9563, 0.2086, 0.2349



77.9563, 0.3681, 0.2769



77.9563, 0.4240, 0.4174

Rectangle

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



77.9563, 0.2537, 0.3895



77.9563, 0.1998, 0.2820



77.9563, 0.3681, 0.2769



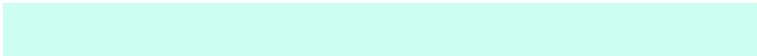
77.9563, 0.4405, 0.3547

Sweetspot

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



77.9594, 0.2537, 0.3895



90.6842, 0.2902, 0.3441



77.1810, 0.3242, 0.5311



19.1726, 0.2872, 0.3465



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.



77.9594, 0.2537, 0.3895



76.2729, 0.2502, 0.4040



59.3950, 0.2235, 0.2829



20.3888, 0.3018, 0.3358



39.1838, 0.2510, 0.4236



3.8339, 0.2476, 0.4114

Inverse Universe

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



29.4680, 0.4707, 0.2846



24.7234, 0.5213, 0.2854



35.8143, 0.5057, 0.3634



18.0714, 0.3250, 0.3223



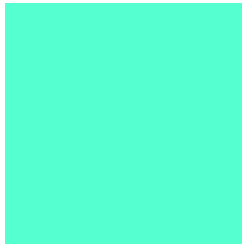
11.3753, 0.5830, 0.2985



1.1253, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 77.9563, 0.2537, 0.3895 looks on a white background.

Color Contrast Check

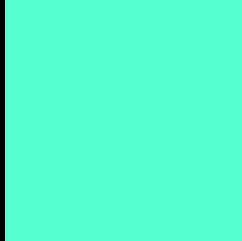
Large Text (above 18pt) WCAG AA × Fail

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 77.9563, 0.2537, 0.3895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

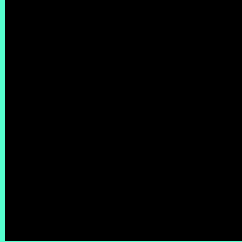
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9563, 0.2537, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 77.9563, 0.2537, 0.3895.

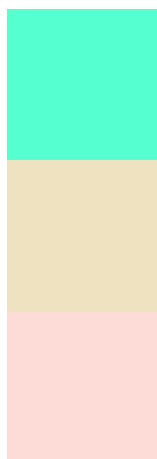


This preview shows how white text looks on a background with the Yxy color 77.9563, 0.2537, 0.3895.

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

77.9563, 0.2537, 0.3895

Protanopia

76.3756, 0.3441, 0.3651

Deuteranopia

76.4520, 0.3403, 0.3331



Tritanopia

77.3997, 0.2573, 0.3131

Trichromacy



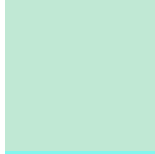
Original Color

77.9563, 0.2537, 0.3895



Protanomaly

74.5447, 0.3009, 0.3760



Deuteranomaly

73.6732, 0.2984, 0.3519



Tritanomaly

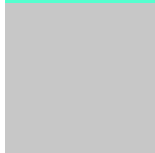
76.9099, 0.2540, 0.3383

Monochromacy



Original Color

77.9563, 0.2537, 0.3895



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1964, 0.2822, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9563, 0.2537, 0.3895 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(85, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 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(85, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 77.9563, 0.2537, 0.3895 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(85, 255, 207) }
```

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

```
.border{ border-color:rgb(85, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
207) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.9563, 0.2537, 0.3895$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 207) }
```

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

```
.background{ background-color: rgb(85, 255,  
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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