

Converting Colors

$Y_{xy}(100.0000, 0.2653, 0.4200)$

Have a look what the booklet for
Yxy(100.0000, 0.2653, 0.4200)
contains.

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Color

Yxy(78.9086, 0.2592, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	67FFCF
RGB	103, 255, 207
RGB Percent	40%, 100%, 81%
CMY	0.5958, 0.0000, 0.1883
CMYK	0.60, 0.00, 0.19, 0.00
HSL	161°, 100%, 70%
HSV	161°, 60%, 100%
XYZ	52.6193, 78.9086, 71.4786
YIQ	204.0800, -75.1840, -47.1520

Conversions

Conversions Part 2

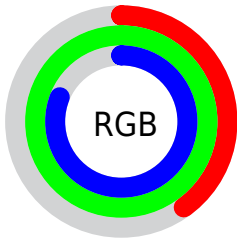
Format	Color
RYB	103, 193, 255
Decimal	6815695
CIELab	91.19, -51.48, 10.99
CIELCh	91, 52.644, 167.945
Yxy	78.9086, 0.2592, 0.3887
Android (android.graphics.Color)	4285005775 (0xFF67FFCF)
YUV	204.0800, 1.4396, -88.6472
Hunter-Lab	88.8305, -49.7179, 14.4729

Details

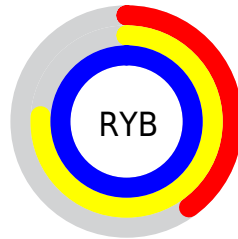
The Yxy color **78.9086, 0.2592, 0.3887** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.2096, 0.4384, 0.2817**, and the grayscale version is **60.4738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **42.3258, 0.2463, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **77.2414, 0.2551, 0.4008**, and if you desaturate by 10%, it is **81.0614, 0.2652, 0.3770**.

Distribution



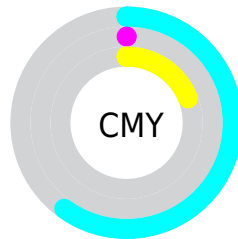
- Red (40%)
- Green (100%)
- Blue (81%)



- Red (40%)
- Yellow (76%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9086, 0.2592, 0.3887 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 78.9086, 0.2592, 0.3887 by changing the saturation by 10% instead.


 78.9086, 0.2592,
0.3887

 78.9086, 0.2592,
0.3887


491.2471, 0.2840,
0.3604


 58.8207, 0.2535,
0.3953


 131.8302, 0.2678,
0.3788

 42.4688, 0.2466,
0.4036


 165.4326, 0.2712,
0.3749

 29.4685, 0.2377,
0.4141


 204.3087, 0.2740,
0.3716

 19.4355, 0.2262,
0.4281

248.8427, 0.2765,
0.3688

 11.9854, 0.2107,
0.4475

299.4192, 0.2788,
0.3663

 6.7337, 0.1886,
0.4761


356.4225, 0.2807,


 3.2961, 0.1551,


0.3641


0.5217


420.2370, 0.2824,
0.3622


 1.2882, 0.0000,
0.6893


 0.1321, 0.0000,
1.0000

 78.9086, 0.2592,
0.3887


 78.9086, 0.2592,
0.3887


 77.2414, 0.2551,
0.4008


 81.0614, 0.2652,
0.3770

 76.0075, 0.2531,
0.4131


 83.7293, 0.2727,
0.3658


 75.1581, 0.2531,
0.4253

 86.9494, 0.2816,
0.3553

 74.6123, 0.2548,
0.4373

 90.7528, 0.2915,
0.3456

 74.5923, 0.2549,
0.4378

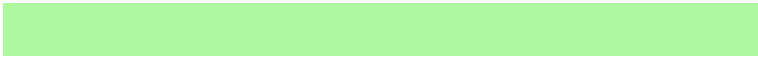
 95.1686, 0.3021,
0.3367

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.



78.9086, 0.3162, 0.4336



78.9086, 0.2592, 0.3887



78.9086, 0.2191, 0.3252

Triad

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



78.9086, 0.2592, 0.3887



78.9086, 0.2457, 0.2331



78.9086, 0.4359, 0.3678

Complementary

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



78.9086, 0.2592, 0.3887



33.2096, 0.4384, 0.2817

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.



78.9086, 0.4147, 0.3204



78.9086, 0.2592, 0.3887



78.9086, 0.2993, 0.2468

Square

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



78.9086, 0.2592, 0.3887



78.9086, 0.2126, 0.2404



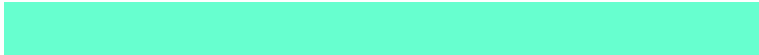
78.9086, 0.3625, 0.2778



78.9086, 0.4199, 0.4117

Rectangle

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



78.9086, 0.2592, 0.3887



78.9086, 0.2057, 0.2871



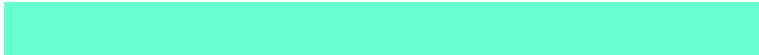
78.9086, 0.3625, 0.2778



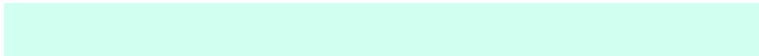
78.9086, 0.4330, 0.3519

Sweetspot

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



78.9115, 0.2592, 0.3887



91.4106, 0.2932, 0.3441



79.0966, 0.3280, 0.5086



19.3095, 0.2902, 0.3468



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.



78.9115, 0.2592, 0.3887



76.9051, 0.2544, 0.4038



65.1245, 0.2317, 0.2950



20.3780, 0.3022, 0.3366



39.0044, 0.2544, 0.4358



3.8175, 0.2506, 0.4220

Inverse Universe

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



33.2096, 0.4384, 0.2817



27.4137, 0.4817, 0.2780



38.4508, 0.4805, 0.3567



18.0816, 0.3244, 0.3215



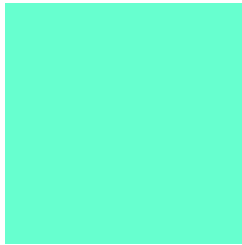
11.4397, 0.5711, 0.2920



1.1327, 0.5391, 0.2744

Previews

White Background



This preview shows how the Yxy color 78.9086, 0.2592, 0.3887 looks on a white background.

Color Contrast Check

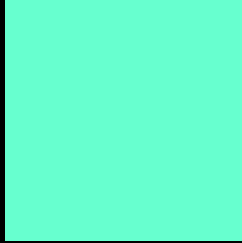
Large Text (above 18pt) WCAG AA × Fail

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 78.9086, 0.2592, 0.3887 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 78.9086, 0.2592, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 78.9086, 0.2592, 0.3887.

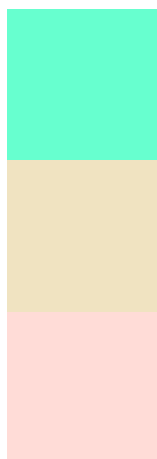


This preview shows how white text looks on a background with the Yxy color 78.9086, 0.2592, 0.3887.

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

78.9086, 0.2592, 0.3887

Protanopia

77.3137, 0.3447, 0.3649

Deuteranopia

77.3527, 0.3417, 0.3341



Tritanopia

78.3461, 0.2617, 0.3133

Trichromacy



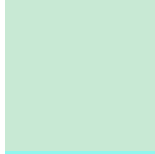
Original Color

78.9086, 0.2592, 0.3887



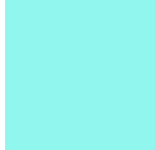
Protanomaly

75.5927, 0.3054, 0.3741



Deuteranomaly

75.3107, 0.3036, 0.3526



Tritanomaly

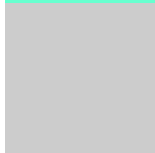
78.0139, 0.2596, 0.3382

Monochromacy



Original Color

78.9086, 0.2592, 0.3887



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3986, 0.2863, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9086, 0.2592, 0.3887 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(103, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 78.9086, 0.2592, 0.3887 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(103, 255, 207) }
```

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

```
.border{ border-color:rgb(103, 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(103, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9086, 0.2592, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 207) }
```

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

```
.background{ background-color: rgb(103,  
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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