

Converting Colors

$Y_{xy}(100.0000, 0.2782, 0.4167)$

Have a look what the booklet for
Yxy(100.0000, 0.2782, 0.4167)
contains.

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Color

Yxy(81.4551, 0.2753, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	8CFFCC
RGB	140, 255, 204
RGB Percent	55%, 100%, 80%
CMY	0.4512, 0.0000, 0.1999
CMYK	0.45, 0.00, 0.20, 0.00
HSL	153°, 100%, 77%
HSV	153°, 45%, 100%
XYZ	57.4695, 81.4551, 69.8276
YIQ	214.8010, -52.1690, -40.2410

Conversions

Conversions Part 2

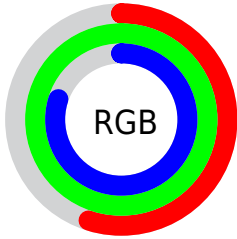
Format	Color
RYB	140, 214, 255
Decimal	9240524
CIELab	92.33, -44.15, 14.31
CIELCh	92, 46.416, 162.043
Yxy	81.4551, 0.2753, 0.3902
Android (android.graphics.Color)	4287430604 (0xFF8CFFCC)
YUV	214.8010, -5.3249, -65.6005
Hunter-Lab	90.2525, -44.2796, 17.3045

Details

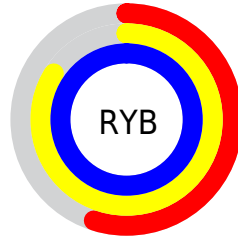
The Yxy color **81.4551, 0.2753, 0.3902** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.7621, 0.3791, 0.2764**, and the grayscale version is **67.8675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **44.3395, 0.2661, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **78.9655, 0.2697, 0.4069**, and if you desaturate by 10%, it is **84.4907, 0.2822, 0.3745**.

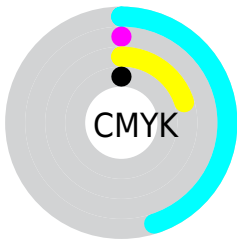
Distribution



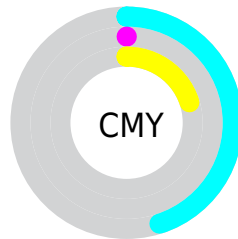
- Red (55%)
- Green (100%)
- Blue (80%)



- Red (55%)
- Yellow (84%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4551, 0.2753, 0.3902 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 81.4551, 0.2753, 0.3902 by changing the saturation by 10% instead.


 81.4551, 0.2753,
0.3902

 81.4551, 0.2753,
0.3902

499.8232, 0.2928,
0.3612

 60.9165, 0.2713,
0.3970

 135.4096, 0.2814,
0.3800

 44.1578, 0.2662,
0.4054


 169.5943, 0.2838,
0.3761

 30.7946, 0.2598,
0.4163


209.0964, 0.2858,
0.3727

 20.4425, 0.2514,
0.4306

254.3005, 0.2876,
0.3698

 12.7171, 0.2399,
0.4505

305.5908, 0.2891,
0.3673

 7.2340, 0.2232,
0.4799

363.3517, 0.2905,

 3.6089, 0.1971,

0.3650

0.5270

427.9677, 0.2917,
0.3630

■ 1.4573, 0.1016,
0.6736

■ 0.2584, 0.0000,
1.0000

■ 81.4551, 0.2753,
0.3902

■ 81.4551, 0.2753,
0.3902

■ 78.9655, 0.2697,
0.4069

■ 84.4907, 0.2822,
0.3745

■ 76.9947, 0.2659,
0.4242

■ 88.1154, 0.2902,
0.3599

■ 75.4983, 0.2640,
0.4418

■ 92.3566, 0.2989,
0.3466

■ 74.4278, 0.2641,
0.4593

■ 97.2425, 0.3080,
0.3346

■ 73.7240, 0.2663,
0.4762

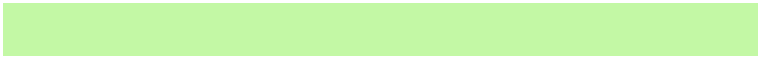
100.0000, 0.3127,
0.3290

■ 73.4726, 0.2678,
0.4842

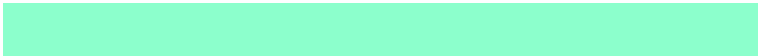
Harmonies

Analogous

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



81.4551, 0.3271, 0.4231



81.4551, 0.2753, 0.3902



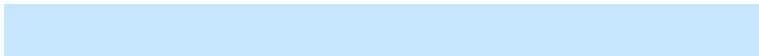
81.4551, 0.2358, 0.3371

Triad

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



81.4551, 0.2753, 0.3902



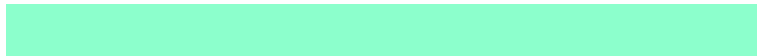
81.4551, 0.2464, 0.2438



81.4551, 0.4192, 0.3562

Complementary

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



81.4551, 0.2753, 0.3902



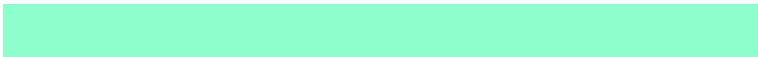
43.7621, 0.3791, 0.2764

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.



81.4551, 0.3944, 0.3141



81.4551, 0.2753, 0.3902



81.4551, 0.2910, 0.2523

Square

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



81.4551, 0.2753, 0.3902



81.4551, 0.2206, 0.2549



81.4551, 0.3457, 0.2774



81.4551, 0.4120, 0.3960

Rectangle

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



81.4551, 0.2753, 0.3902



81.4551, 0.2206, 0.3022



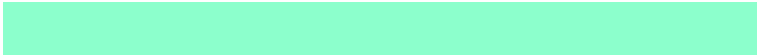
81.4551, 0.3457, 0.2774



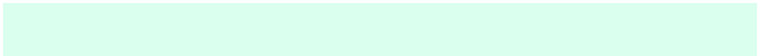
81.4551, 0.4143, 0.3420

Sweetspot

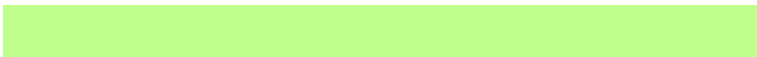
The Sweet Spot groups the original color and five complimentary colors.



81.4519, 0.2753, 0.3902



92.8692, 0.2999, 0.3452



84.5828, 0.3367, 0.4582



19.6672, 0.2979, 0.3479



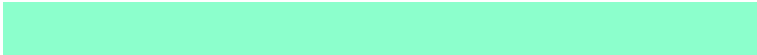
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.4519, 0.2753, 0.3902



79.2166, 0.2703, 0.4050



80.6962, 0.2509, 0.3223



20.3375, 0.3039, 0.3397



38.4216, 0.2671, 0.4815



3.7630, 0.2618, 0.4625

Inverse Universe

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



43.7621, 0.3791, 0.2764



37.2801, 0.3992, 0.2672



43.6198, 0.4321, 0.3353



18.1209, 0.3224, 0.3185



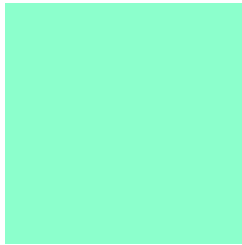
11.7609, 0.5205, 0.2641



1.1667, 0.4921, 0.2485

Previews

White Background



This preview shows how the Yxy color 81.4551, 0.2753, 0.3902 looks on a white background.

Color Contrast Check

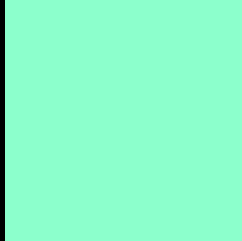
Large Text (above 18pt) WCAG AA × Fail

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 81.4551, 0.2753, 0.3902 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 81.4551, 0.2753, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 81.4551, 0.2753, 0.3902.

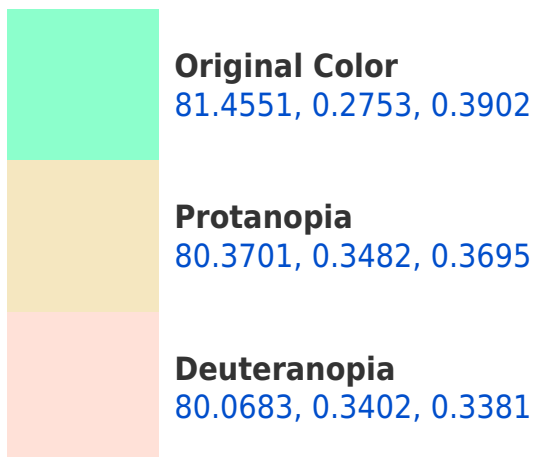


This preview shows how white text looks on a background with the Yxy color 81.4551, 0.2753, 0.3902.

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

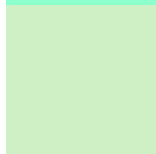
80.5697, 0.2716, 0.3137

Trichromacy



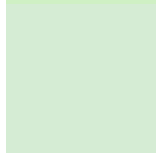
Original Color

81.4551, 0.2753, 0.3902



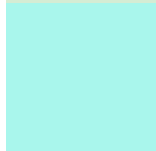
Protanomaly

79.5711, 0.3176, 0.3780



Deuteranomaly

78.8905, 0.3122, 0.3552



Tritanomaly

80.4027, 0.2727, 0.3402

Monochromacy



Original Color

81.4551, 0.2753, 0.3902



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.9881, 0.2964, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4551, 0.2753, 0.3902 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(140, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 204)  
}
```

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(140, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 81.4551, 0.2753, 0.3902 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(140, 255, 204) }
```

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

```
.border{ border-color:rgb(140, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4551, 0.2753, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 204) }
```

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

```
.background{ background-color: rgb(140,  
255, 204) }
```

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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