

Converting Colors

$Y_{xy}(100.0000, 0.2759, 0.4040)$

Have a look what the booklet for
Yxy(100.0000, 0.2759, 0.4040)
contains.

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Color

Yxy(82.3043, 0.2724, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	90FFD6
RGB	144, 255, 214
RGB Percent	56%, 100%, 84%
CMY	0.4351, 0.0000, 0.1608
CMYK	0.44, 0.00, 0.16, 0.00
HSL	158°, 100%, 78%
HSV	158°, 44%, 100%
XYZ	59.4056, 82.3043, 76.3725
YIQ	217.1370, -52.9950, -36.2830

Conversions

Conversions Part 2

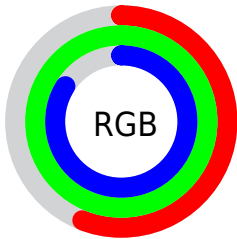
Format	Color
RYB	144, 212, 255
Decimal	9502678
CIELab	92.71, -41.08, 9.73
CIELCh	93, 42.213, 166.675
Yxy	82.3043, 0.2724, 0.3774
Android (android.graphics.Color)	4287692758 (0xFF90FFD6)
YUV	217.1370, -1.5465, -64.1411
Hunter-Lab	90.7217, -41.8791, 13.5930

Details

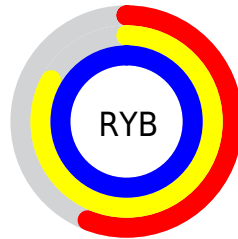
The Yxy color **82.3043, 0.2724, 0.3774** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.7275, 0.3842, 0.2865**, and the grayscale version is **69.5349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **44.8698, 0.2633, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **79.7963, 0.2659, 0.3910**, and if you desaturate by 10%, it is **85.3654, 0.2803, 0.3646**.

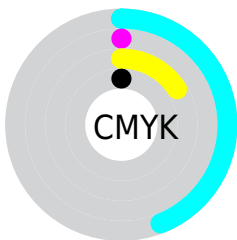
Distribution



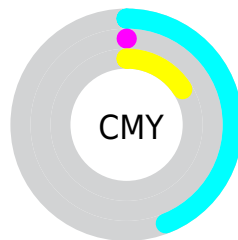
- Red (56%)
- Green (100%)
- Blue (84%)



- Red (56%)
- Yellow (83%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3043, 0.2724, 0.3774 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 82.3043, 0.2724, 0.3774 by changing the saturation by 10% instead.

 82.3043, 0.2724,
0.3774

 82.3043, 0.2724,
0.3774


502.6650, 0.2910,
0.3548

 61.6164, 0.2682,
0.3826


 136.6007, 0.2788,
0.3695

 44.7228, 0.2630,
0.3891


 170.9779, 0.2813,
0.3664

 31.2391, 0.2565,
0.3974


210.6870, 0.2835,
0.3638

 20.7810, 0.2480,
0.4083

256.1125, 0.2854,
0.3615

 12.9640, 0.2365,
0.4232

307.6386, 0.2870,
0.3595

 7.4038, 0.2201,
0.4450


365.6498, 0.2885,


 3.7159, 0.1952,


0.3577

0.4794


430.5304, 0.2898,
0.3562


 1.5159, 0.1238,
0.5610


 0.2999, 0.0000,
1.0000


 82.3043, 0.2724,
0.3774


 82.3043, 0.2724,
0.3774


 79.7963, 0.2659,
0.3910


 85.3654, 0.2803,
0.3646

 77.7955, 0.2611,
0.4051

 89.0021, 0.2892,
0.3528

 76.2651, 0.2583,
0.4196

 93.2476, 0.2989,
0.3420

 75.1586, 0.2575,
0.4341

 98.1296, 0.3091,
0.3322

■ 74.4193, 0.2588,
0.4484

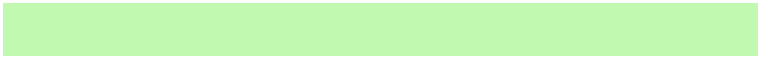
99.9984, 0.3127,
0.3290

■ 74.0834, 0.2604,
0.4575

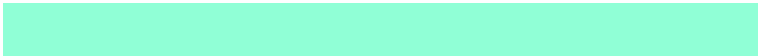
Harmonies

Analogous

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



82.3043, 0.3187, 0.4109



82.3043, 0.2724, 0.3774



82.3043, 0.2386, 0.3291

Triad

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



82.3043, 0.2724, 0.3774



82.3043, 0.2576, 0.2511



82.3043, 0.4101, 0.3604

Complementary

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



82.3043, 0.2724, 0.3774



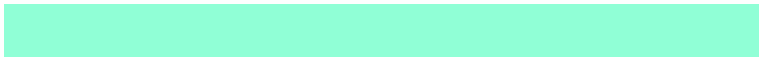
44.7275, 0.3842, 0.2865

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.



82.3043, 0.3918, 0.3216



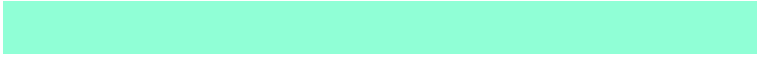
82.3043, 0.2724, 0.3774



82.3043, 0.3006, 0.2614

Square

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



82.3043, 0.2724, 0.3774



82.3043, 0.2309, 0.2587



82.3043, 0.3504, 0.2865



82.3043, 0.3997, 0.3954

Rectangle

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



82.3043, 0.2724, 0.3774



82.3043, 0.2266, 0.2986



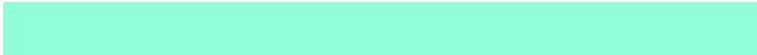
82.3043, 0.3504, 0.2865



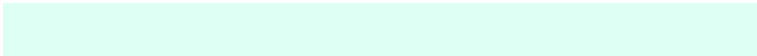
82.3043, 0.4072, 0.3475

Sweetspot

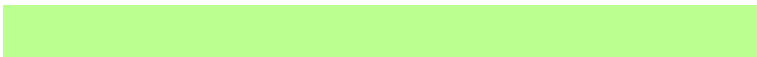
The Sweet Spot groups the original color and five complimentary colors.



82.3076, 0.2724, 0.3774



93.4819, 0.2994, 0.3414



84.0459, 0.3314, 0.4552



19.7954, 0.2972, 0.3437



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.



82.3076, 0.2724, 0.3774



80.1431, 0.2668, 0.3889



76.6905, 0.2511, 0.3141



20.3609, 0.3030, 0.3379



38.7409, 0.2598, 0.4551



3.7932, 0.2553, 0.4391

Inverse Universe

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



44.7275, 0.3842, 0.2865



38.2331, 0.4060, 0.2790



47.3880, 0.4221, 0.3429



18.0981, 0.3236, 0.3202



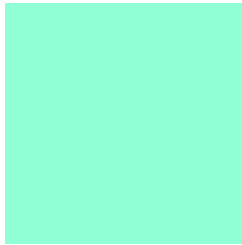
11.5596, 0.5507, 0.2807



1.1457, 0.5196, 0.2636

Previews

White Background



This preview shows how the Yxy color 82.3043, 0.2724, 0.3774 looks on a white background.

Color Contrast Check

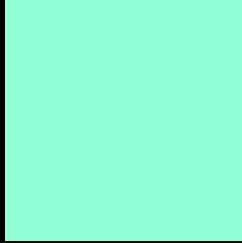
Large Text (above 18pt) WCAG AA × Fail

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 82.3043, 0.2724, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

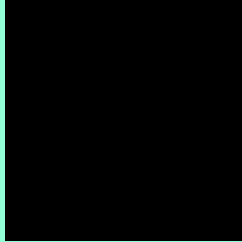
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3043, 0.2724, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 82.3043, 0.2724, 0.3774.

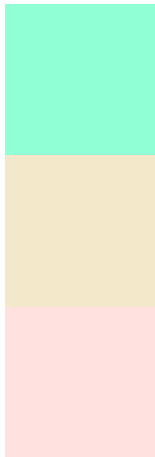


This preview shows how white text looks on a background with the Yxy color 82.3043, 0.2724, 0.3774.

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

82.3043, 0.2724, 0.3774

Protanopia

81.2106, 0.3406, 0.3601

Deuteranopia

80.9804, 0.3352, 0.3321



Tritanopia

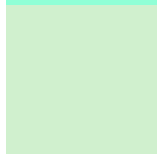
81.6714, 0.2739, 0.3149

Trichromacy



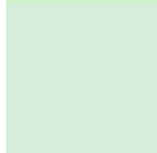
Original Color

82.3043, 0.2724, 0.3774



Protanomaly

80.1863, 0.3123, 0.3665



Deuteranomaly

80.1828, 0.3086, 0.3473



Tritanomaly

81.6970, 0.2729, 0.3367

Monochromacy



Original Color

82.3043, 0.2724, 0.3774



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.0568, 0.2947, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3043, 0.2724, 0.3774 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(144, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 214)  
}
```

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(144, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 82.3043, 0.2724, 0.3774 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(144, 255, 214) }
```

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

```
.border{ border-color:rgb(144, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(144, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3043, 0.2724, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 214) }
```

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

```
.background{ background-color: rgb(144,  
255, 214) }
```

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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