

Converting Colors

$Yxy(84.4111, 0.2609, 0.3419)$

Have a look what the booklet for
Yxy(84.4111, 0.2609, 0.3419)
contains.

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Color

Yxy(84.3806, 0.2611, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	95FFF3
RGB	149, 255, 243
RGB Percent	58%, 100%, 95%
CMY	0.4154, 0.0000, 0.0469
CMYK	0.42, 0.00, 0.05, 0.00
HSL	173°, 100%, 79%
HSV	173°, 42%, 100%
XYZ	64.3451, 84.3806, 97.7129
YIQ	221.9380, -59.3240, -26.2040

Conversions

Conversions Part 2

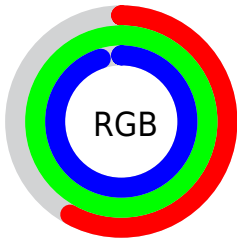
Format	Color
R_{YB}	149, 205, 255
Decimal	9830387
CIE _{Lab}	93.62, -33.45, -3.92
CIE _{LCh}	94, 33.678, 186.685
Yxy	84.3806, 0.2611, 0.3424
Android (android.graphics.Color)	4288020467 (0xFF95FFF3)
YUV	221.9380, 10.3836, -63.9666
Hunter-Lab	91.8589, -35.7178, 1.2328

Details

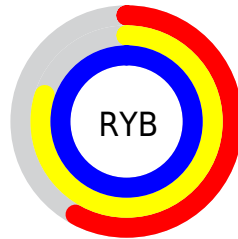
The Yxy color **84.3806, 0.2611, 0.3424** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.3512, 0.4081, 0.3167**, and the grayscale version is **72.9723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **46.2002, 0.2501, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **82.0682, 0.2521, 0.3462**, and if you desaturate by 10%, it is **87.2274, 0.2717, 0.3388**.

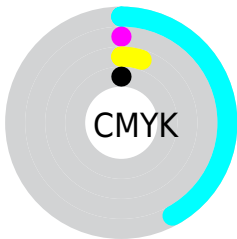
Distribution



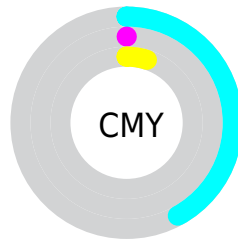
- Red (58%)
- Green (100%)
- Blue (95%)



- Red (58%)
- Yellow (80%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3806, 0.2611, 0.3424 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 84.3806, 0.2611, 0.3424 by changing the saturation by 10% instead.


 84.3806, 0.2611,
0.3424


 84.3806, 0.2611,
0.3424


509.5763, 0.2841,
0.3367

 63.3297, 0.2561,
0.3436


 139.5075, 0.2689,
0.3405

 46.1080, 0.2499,
0.3450


 174.3522, 0.2720,
0.3397

 32.3311, 0.2423,
0.3468


214.5637, 0.2747,
0.3391

 21.6145, 0.2327,
0.3489

260.5264, 0.2770,
0.3385

 13.5739, 0.2200,
0.3516

312.6245, 0.2791,
0.3379

 7.8249, 0.2026,
0.3551

371.2427, 0.2810,

 3.9831, 0.1777,

0.3375

436.7651, 0.2826,
0.3370

0.3595

1.6641, 0.1356,
0.3664

0.4003, 0.0000,
0.3605

84.3806, 0.2611,
0.3424

84.3806, 0.2611,
0.3424

82.0682, 0.2521,
0.3462

87.2274, 0.2717,
0.3388

80.2457, 0.2449,
0.3501

90.6302, 0.2837,
0.3354

78.8776, 0.2396,
0.3540

94.6214, 0.2968,
0.3323

77.9192, 0.2363,
0.3580

99.2278, 0.3105,
0.3294

■ 77.3170, 0.2349,
0.3619

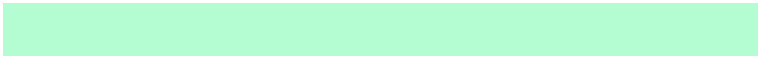
99.9944, 0.3127,
0.3290

■ 77.0163, 0.2348,
0.3652

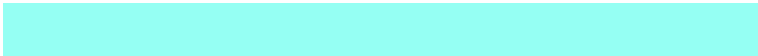
Harmonies

Analogous

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



84.3806, 0.2927, 0.3773



84.3806, 0.2611, 0.3424



84.3806, 0.2435, 0.3057

Triad

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



84.3806, 0.2611, 0.3424



84.3806, 0.2909, 0.2701



84.3806, 0.3869, 0.3745

Complementary

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



84.3806, 0.2611, 0.3424



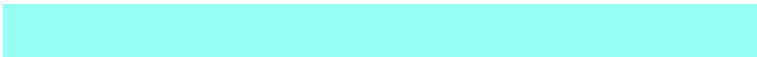
45.3512, 0.4081, 0.3167

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.



84.3806, 0.3873, 0.3449



84.3806, 0.2611, 0.3424



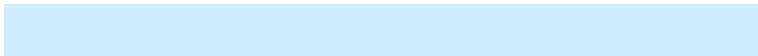
84.3806, 0.3298, 0.2869

Square

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



84.3806, 0.2611, 0.3424



84.3806, 0.2598, 0.2667



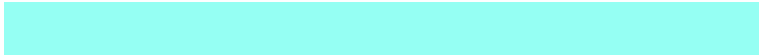
84.3806, 0.3659, 0.3135



84.3806, 0.3658, 0.3946

Rectangle

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



84.3806, 0.2611, 0.3424



84.3806, 0.2413, 0.2862



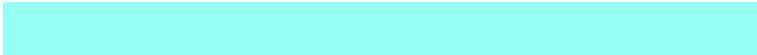
84.3806, 0.3659, 0.3135



84.3806, 0.3896, 0.3653

Sweetspot

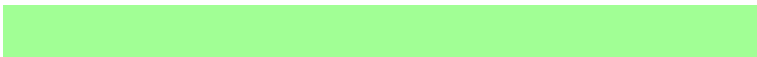
The Sweet Spot groups the original color and five complimentary colors.



84.3839, 0.2611, 0.3424



94.4307, 0.2961, 0.3324



81.3087, 0.3136, 0.4555



20.0939, 0.2944, 0.3328



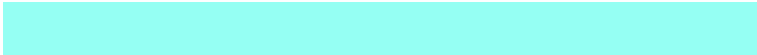
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.3839, 0.2611, 0.3424



82.3977, 0.2533, 0.3456



61.9067, 0.2480, 0.2812



20.4440, 0.2995, 0.3317



40.2599, 0.2346, 0.3646



3.9296, 0.2334, 0.3601

Inverse Universe

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



45.3512, 0.4081, 0.3167



38.5181, 0.4391, 0.3146



60.1173, 0.4019, 0.3716



18.0204, 0.3277, 0.3263



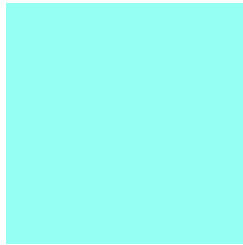
11.1652, 0.6268, 0.3226



1.0974, 0.6037, 0.3099

Previews

White Background



This preview shows how the Yxy color 84.3806, 0.2611, 0.3424 looks on a white background.

Color Contrast Check

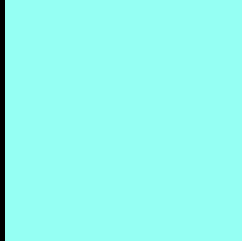
Large Text (above 18pt) WCAG AA × Fail

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 84.3806, 0.2611, 0.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

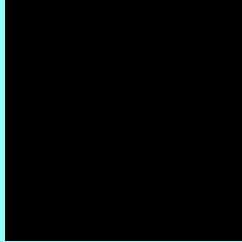
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.3806, 0.2611, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 84.3806, 0.2611, 0.3424.

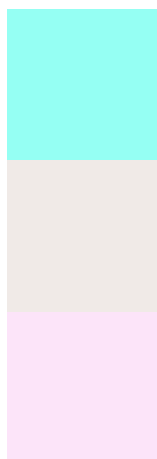


This preview shows how white text looks on a background with the Yxy color 84.3806, 0.2611, 0.3424.

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

84.3806, 0.2611, 0.3424

Protanopia

83.1404, 0.3187, 0.3321

Deuteranopia

83.0218, 0.3157, 0.3084



Tritanopia

84.0635, 0.2791, 0.3173

Trichromacy



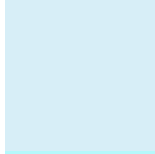
Original Color

84.3806, 0.2611, 0.3424



Protanomaly

82.7678, 0.2946, 0.3365



Deuteranomaly

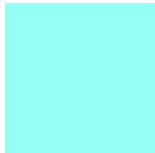
82.3115, 0.2926, 0.3195



Tritanomaly

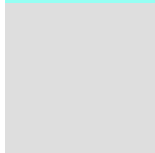
83.9236, 0.2717, 0.3256

Monochromacy



Original Color

84.3806, 0.2611, 0.3424



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.1609, 0.2898, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3806, 0.2611, 0.3424 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(149, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 243)  
}
```

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(149, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 84.3806, 0.2611, 0.3424 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(149, 255, 243) }
```

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

```
.border{ border-color:rgb(149, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3806, 0.2611, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 243) }
```

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

```
.background{ background-color: rgb(149,  
255, 243) }
```

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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