

Converting Colors

$Yxy(80.2431, 0.2619, 0.3399)$

Have a look what the booklet for
Yxy(80.2431, 0.2619, 0.3399)
contains.

Yxy(80.3729, 0.2619, 0.3404)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.3729, 0.2619, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	95F9EF
RGB	149, 249, 239
RGB Percent	58%, 98%, 94%
CMY	0.4160, 0.0235, 0.0628
CMYK	0.40, 0.00, 0.04, 0.02
HSL	174°, 89%, 78%
HSV	174°, 40%, 98%
XYZ	61.8380, 80.3729, 93.9022
YIQ	217.9600, -56.3900, -24.3100

Conversions

Conversions Part 2

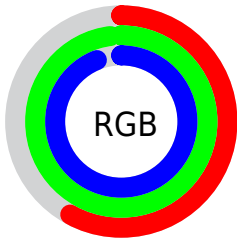
Format	Color
R _{YB}	149, 202, 249
Decimal	9828847
CIE Lab	91.85, -31.63, -4.42
CIE LCh	92, 31.933, 187.956
Yxy	80.3729, 0.2619, 0.3404
Android (android.graphics.Color)	4288018927 (0xFF95F9EF)
YUV	217.9600, 10.3727, -60.4779
Hunter-Lab	89.6509, -33.7662, 0.6541

Details

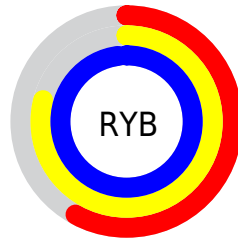
The Yxy color **80.3729, 0.2619, 0.3404** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.1176, 0.4047, 0.3185**, and the grayscale version is **70.0286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **43.3423, 0.2506, 0.3425** is the 20% darker color. If you saturate the color by 10%, you get **78.1338, 0.2525, 0.3437**, and if you desaturate by 10%, it is **83.1210, 0.2729, 0.3373**.

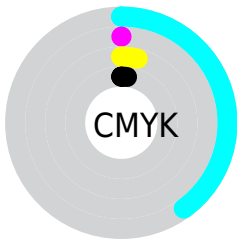
Distribution



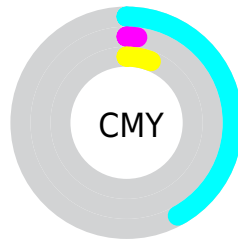
- Red (58%)
- Green (98%)
- Blue (94%)



- Red (58%)
- Yellow (79%)
- Blue (98%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)




- Cyan (42%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3729, 0.2619, 0.3404 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 80.3729, 0.2619, 0.3404 by changing the saturation by 10% instead.

 80.3729, 0.2619,
0.3404

 80.3729, 0.2619,
0.3404


496.1886, 0.2847,
0.3355

 60.0253, 0.2568,
0.3414


 133.8899, 0.2697,
0.3388

 43.4390, 0.2507,
0.3426


 167.8280, 0.2728,
0.3381

 30.2297, 0.2430,
0.3441


207.0651, 0.2754,
0.3376

 20.0130, 0.2332,
0.3459

251.9855, 0.2777,
0.3371

 12.4045, 0.2203,
0.3481

302.9737, 0.2798,
0.3366

 7.0198, 0.2024,
0.3508


360.4140, 0.2816,


 3.4745, 0.1764,

0.3362

424.6909, 0.2833,
0.3359


0.3542


 1.3842, 0.1243,
0.3622


 0.2050, 0.0000,
0.2781


 80.3729, 0.2619,
0.3404


 80.3729, 0.2619,
0.3404


 78.1338, 0.2525,
0.3437


 83.1210, 0.2729,
0.3373


 76.3619, 0.2450,
0.3471


 86.3980, 0.2851,
0.3343

 75.0244, 0.2393,
0.3506

 90.2340, 0.2984,
0.3316


 74.0802, 0.2357,
0.3541

 94.6544, 0.3124,
0.3290

 73.4801, 0.2339,
0.3576

 96.0164, 0.3151,
0.3267

 73.1469, 0.2336,
0.3609

 96.1753, 0.3136,
0.3243

 96.2420, 0.3130,
0.3233

Harmonies

Analogous

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



80.3729, 0.2920, 0.3743



80.3729, 0.2619, 0.3404



80.3729, 0.2455, 0.3053

Triad

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



80.3729, 0.2619, 0.3404



80.3729, 0.2932, 0.2725



80.3729, 0.3838, 0.3741

Complementary

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



80.3729, 0.2619, 0.3404



44.1176, 0.4047, 0.3185

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.



80.3729, 0.3849, 0.3457



80.3729, 0.2619, 0.3404



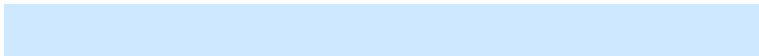
80.3729, 0.3309, 0.2893

Square

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



80.3729, 0.2619, 0.3404



80.3729, 0.2627, 0.2687



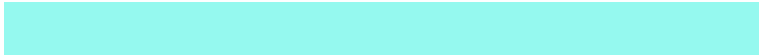
80.3729, 0.3652, 0.3154



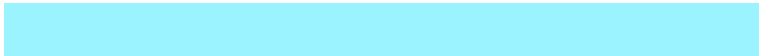
80.3729, 0.3628, 0.3928

Rectangle

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



80.3729, 0.2619, 0.3404



80.3729, 0.2438, 0.2868



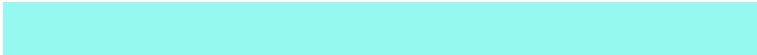
80.3729, 0.3652, 0.3154



80.3729, 0.3866, 0.3653

Sweetspot

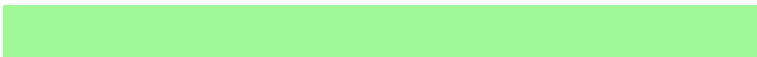
The Sweet Spot groups the original color and five complimentary colors.



80.3761, 0.2619, 0.3404



94.4553, 0.2959, 0.3320



77.4660, 0.3137, 0.4506



20.0997, 0.2942, 0.3324



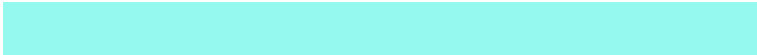
0.0000, 0.0000, 0.0000



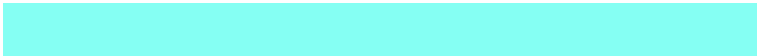
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3761, 0.2619, 0.3404



82.9288, 0.2544, 0.3430



59.6387, 0.2501, 0.2830



19.5768, 0.2994, 0.3314



39.1604, 0.2334, 0.3603



3.6353, 0.2323, 0.3562

Inverse Universe

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



44.1176, 0.4047, 0.3185



39.9660, 0.4332, 0.3167



57.9773, 0.3980, 0.3702



17.2535, 0.3278, 0.3267



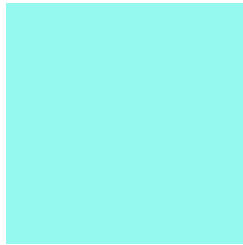
10.8272, 0.6287, 0.3237



1.0119, 0.6063, 0.3114

Previews

White Background



This preview shows how the Yxy color 80.3729, 0.2619, 0.3404 looks on a white background.

Color Contrast Check

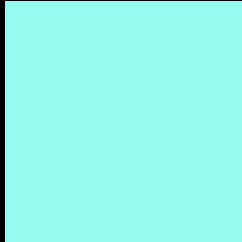
Large Text (above 18pt) WCAG AA × Fail

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 80.3729, 0.2619, 0.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

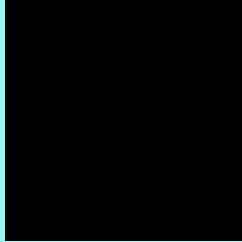
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

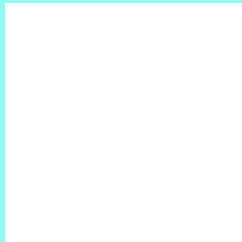
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3729, 0.2619, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 80.3729, 0.2619, 0.3404.

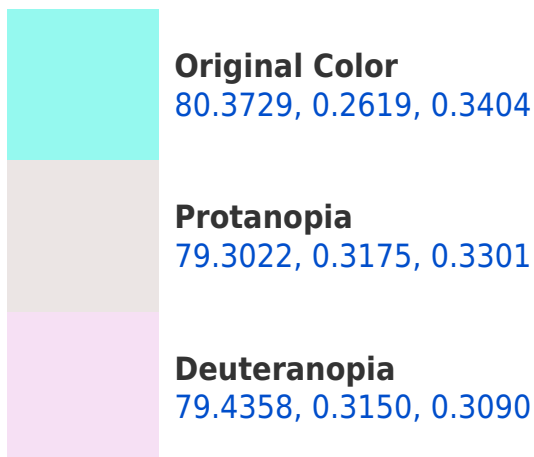


This preview shows how white text looks on a background with the Yxy color 80.3729, 0.2619, 0.3404.

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

80.0757, 0.2695, 0.3136

Trichromacy



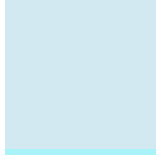
Original Color

80.3729, 0.2619, 0.3404



Protanomaly

78.6545, 0.2944, 0.3333



Deuteranomaly

78.5375, 0.2929, 0.3193



Tritanomaly

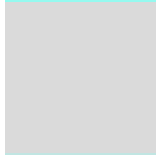
80.0870, 0.2665, 0.3233

Monochromacy



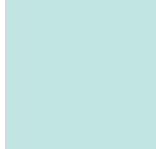
Original Color

80.3729, 0.2619, 0.3404



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.8671, 0.2907, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3729, 0.2619, 0.3404 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, 249, 239)` looks like.

```
.text, #text, p{  
    color:rgb(149, 249, 239)  
}
```

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, 249, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 249, 239) }
```

Border

The CSS property to change the border of an element to Yxy 80.3729, 0.2619, 0.3404 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, 249, 239) }
```

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

```
.border{ border-color:rgb(149, 249, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 249, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 249, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 249, 239);  
box-shadow:4px 4px 4px 4px rgb(149, 249,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3729, 0.2619, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 249, 239) }
```

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

```
.background{ background-color: rgb(149,  
249, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor