

Converting Colors

$Yxy(80.7537, 0.2679, 0.3428)$

Have a look what the booklet for
Yxy(80.7537, 0.2679, 0.3428)
contains.

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Color

Yxy(80.5619, 0.2679, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	9FF8EC
RGB	159, 248, 236
RGB Percent	62%, 97%, 93%
CMY	0.3767, 0.0274, 0.0745
CMYK	0.36, 0.00, 0.05, 0.03
HSL	172°, 86%, 80%
HSV	172°, 36%, 97%
XYZ	62.9963, 80.5619, 91.5904
YIQ	220.0210, -49.1920, -22.6000

Conversions

Conversions Part 2

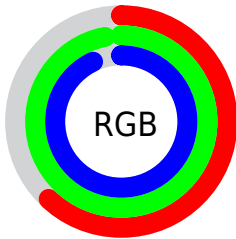
Format	Color
R_{YB}	159, 207, 248
Decimal	10483948
CIE _{Lab}	91.94, -29.30, -2.70
CIE _{LCh}	92, 29.425, 185.263
Yxy	80.5619, 0.2679, 0.3426
Android (android.graphics.Color)	4288674028 (0xFF9FF8EC)
YUV	220.0210, 7.8776, -53.5154
Hunter-Lab	89.7563, -31.7916, 2.3279

Details

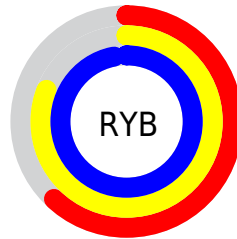
The Yxy color **80.5619, 0.2679, 0.3426** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.6713, 0.3877, 0.3162**, and the grayscale version is **71.5476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **43.4405, 0.2581, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **78.0876, 0.2581, 0.3470**, and if you desaturate by 10%, it is **83.5549, 0.2791, 0.3384**.

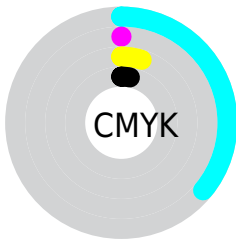
Distribution



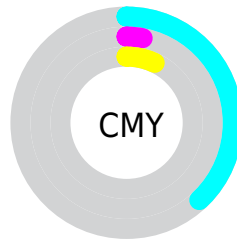
- Red (62%)
- Green (97%)
- Blue (93%)



- Red (62%)
- Yellow (81%)
- Blue (97%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)





- Cyan (38%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5619, 0.2679, 0.3426 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 80.5619, 0.2679, 0.3426 by changing the saturation by 10% instead.

 80.5619, 0.2679,
0.3426


 80.5619, 0.2679,
0.3426


496.8245, 0.2881,
0.3366

 60.1808, 0.2634,
0.3439

 134.1554, 0.2748,
0.3406

 43.5644, 0.2579,
0.3455


 168.1367, 0.2775,
0.3398

 30.3282, 0.2511,
0.3474


207.4202, 0.2799,
0.3391

 20.0878, 0.2423,
0.3498

252.3903, 0.2819,
0.3385

 12.4589, 0.2307,
0.3530

303.4314, 0.2837,
0.3379

 7.0570, 0.2146,
0.3572


360.9278, 0.2854,

 3.4978, 0.1908,


0.3374


0.3630


425.2641, 0.2868,
0.3370

 1.3968, 0.1450,
0.3746


 0.2144, 0.0000,
0.3368


 80.5619, 0.2679,
0.3426


 80.5619, 0.2679,
0.3426


 78.0876, 0.2581,
0.3470


 83.5549, 0.2791,
0.3384

 76.0917, 0.2500,
0.3516


 87.0849, 0.2914,
0.3345


 74.5434, 0.2438,
0.3564


 91.1813, 0.3046,
0.3310


 73.4045, 0.2396,
0.3612


 95.2677, 0.3164,
0.3277

 72.6301, 0.2372,
0.3659

 95.4786, 0.3144,
0.3245

 72.1647, 0.2367,
0.3707

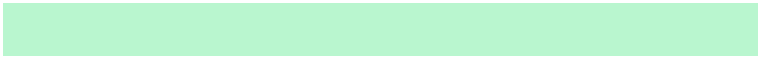
 95.6243, 0.3130,
0.3223

 72.0291, 0.2368,
0.3726

Harmonies

Analogous

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



80.5619, 0.2967, 0.3728



80.5619, 0.2679, 0.3426



80.5619, 0.2513, 0.3100

Triad

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



80.5619, 0.2679, 0.3426



80.5619, 0.2919, 0.2758



80.5619, 0.3791, 0.3688

Complementary

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



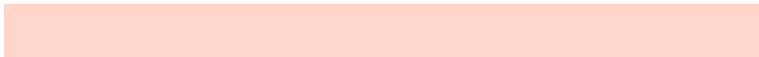
80.5619, 0.2679, 0.3426



47.6713, 0.3877, 0.3162

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.



80.5619, 0.3783, 0.3422



80.5619, 0.2679, 0.3426



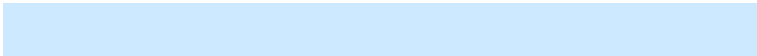
80.5619, 0.3264, 0.2904

Square

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



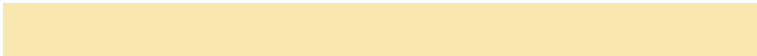
80.5619, 0.2679, 0.3426



80.5619, 0.2646, 0.2736



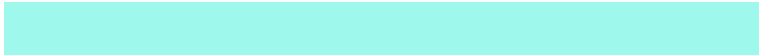
80.5619, 0.3586, 0.3141



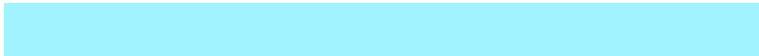
80.5619, 0.3613, 0.3868

Rectangle

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



80.5619, 0.2679, 0.3426



80.5619, 0.2488, 0.2922



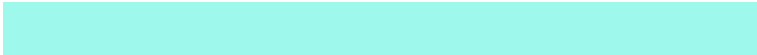
80.5619, 0.3586, 0.3141



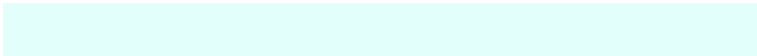
80.5619, 0.3810, 0.3605

Sweetspot

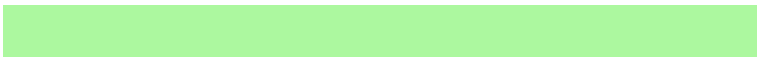
The Sweet Spot groups the original color and five complimentary colors.



80.5651, 0.2679, 0.3426



94.8216, 0.2978, 0.3327



78.4496, 0.3157, 0.4352



20.1703, 0.2960, 0.3332



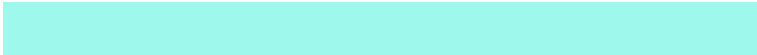
0.0000, 0.0000, 0.0000



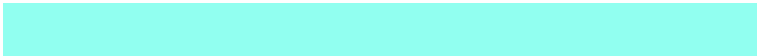
21.4041, 0.3127, 0.3290

Same Dimension

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



80.5651, 0.2679, 0.3426



83.8758, 0.2608, 0.3457



63.6844, 0.2571, 0.2923



19.5660, 0.2998, 0.3322



38.9200, 0.2366, 0.3718



3.6155, 0.2351, 0.3662

Inverse Universe

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



47.6713, 0.3877, 0.3162



44.1606, 0.4105, 0.3138



59.3362, 0.3875, 0.3626



17.2633, 0.3273, 0.3258



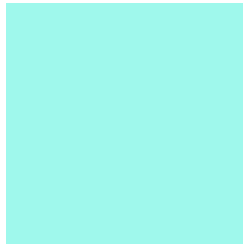
10.8526, 0.6227, 0.3204



1.0165, 0.5957, 0.3055

Previews

White Background



This preview shows how the Yxy color 80.5619, 0.2679, 0.3426 looks on a white background.

Color Contrast Check

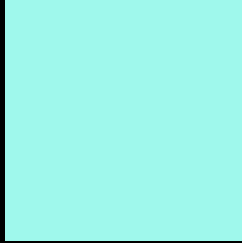
Large Text (above 18pt) WCAG AA × Fail

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 80.5619, 0.2679, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

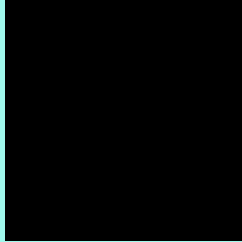
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

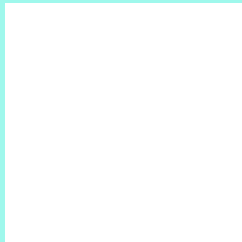
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5619, 0.2679, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 80.5619, 0.2679, 0.3426.

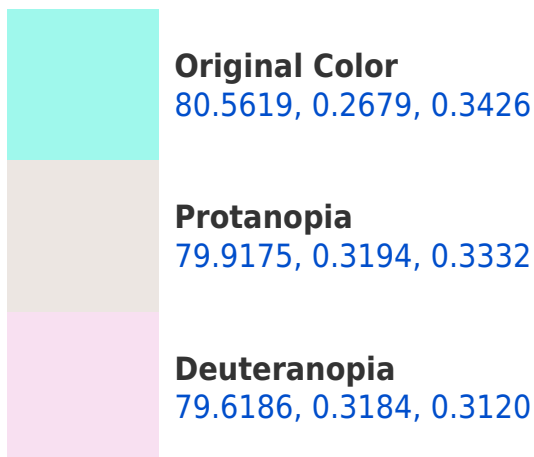


This preview shows how white text looks on a background with the Yxy color 80.5619, 0.2679, 0.3426.

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

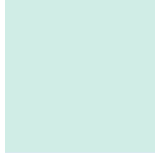
79.9793, 0.2715, 0.3126

Trichromacy



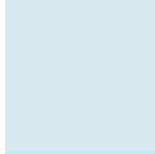
Original Color

80.5619, 0.2679, 0.3426



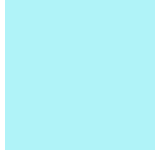
Protanomaly

79.6914, 0.2981, 0.3365



Deuteranomaly

79.1088, 0.2978, 0.3226



Tritanomaly

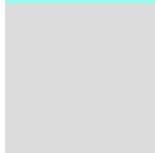
80.1086, 0.2700, 0.3233

Monochromacy



Original Color

80.5619, 0.2679, 0.3426



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.0904, 0.2939, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5619, 0.2679, 0.3426 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(159, 248, 236)` looks like.

```
.text, #text, p{  
    color:rgb(159, 248, 236)  
}
```

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(159, 248, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 248, 236) }
```

Border

The CSS property to change the border of an element to Yxy 80.5619, 0.2679, 0.3426 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(159, 248, 236) }
```

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

```
.border{ border-color:rgb(159, 248, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 248, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 248, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 248, 236);  
box-shadow:4px 4px 4px 4px rgb(159, 248,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5619, 0.2679, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 248, 236) }
```

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

```
.background{ background-color: rgb(159,  
248, 236) }
```

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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