

Converting Colors

$Yxy(82.3477, 0.2654, 0.3392)$

Have a look what the booklet for
Yxy(82.3477, 0.2654, 0.3392)
contains.

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Color

Yxy(81.9912, 0.2653, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	9EFAF1
RGB	158, 250, 241
RGB Percent	62%, 98%, 95%
CMY	0.3808, 0.0195, 0.0550
CMYK	0.37, 0.00, 0.04, 0.02
HSL	174°, 90%, 80%
HSV	174°, 37%, 98%
XYZ	64.1471, 81.9912, 95.6524
YIQ	221.4660, -51.9430, -22.3030

Conversions

Conversions Part 2

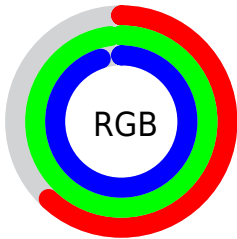
Format	Color
R_{YB}	158, 206, 250
Decimal	10418929
CIE _{Lab}	92.57, -29.40, -4.36
CIE _{LCh}	93, 29.719, 188.428
Yxy	81.9912, 0.2653, 0.3391
Android (android.graphics.Color)	4288609009 (0xFF9EFAF1)
YUV	221.4660, 9.6303, -55.6597
Hunter-Lab	90.5490, -32.0071, 0.7527

Details

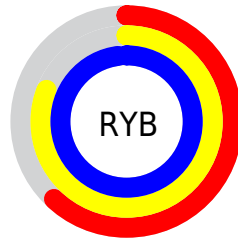
The Yxy color **81.9912, 0.2653, 0.3391** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.5369, 0.3940, 0.3195**, and the grayscale version is **72.5960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **44.4094, 0.2547, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **79.5681, 0.2554, 0.3423**, and if you desaturate by 10%, it is **84.9384, 0.2767, 0.3361**.

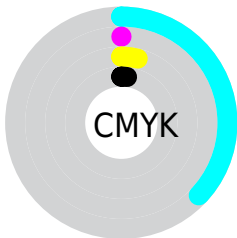
Distribution



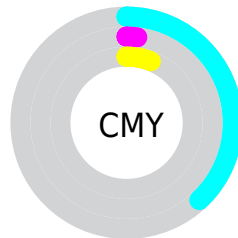
- Red (62%)
- Green (98%)
- Blue (95%)



- Red (62%)
- Yellow (81%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (38%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.9912, 0.2653, 0.3391 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 81.9912, 0.2653, 0.3391 by changing the saturation by 10% instead.


 81.9912, 0.2653,
0.3391

 81.9912, 0.2653,
0.3391


501.6183, 0.2865,
0.3348

 61.3583, 0.2606,
0.3400


 136.1617, 0.2725,
0.3377

 44.5144, 0.2549,
0.3411


 170.4680, 0.2754,
0.3371

 31.0751, 0.2478,
0.3423


210.1009, 0.2779,
0.3366

 20.6560, 0.2387,
0.3439

255.4448, 0.2800,
0.3362

 12.8728, 0.2267,
0.3458

306.8841, 0.2819,
0.3358

 7.3410, 0.2102,
0.3483

364.8032, 0.2837,

 3.6763, 0.1862,

0.3354

429.5864, 0.2852,
0.3351

0.3512

1.4942, 0.1442,
0.3560

0.2846, 0.0000,
0.3166

81.9912, 0.2653,
0.3391

81.9912, 0.2653,
0.3391

79.5681, 0.2554,
0.3423

84.9384, 0.2767,
0.3361

77.6278, 0.2472,
0.3456


88.4288, 0.2894,
0.3333


76.1386, 0.2409,
0.3490


92.4923, 0.3030,
0.3306

75.0610, 0.2365,
0.3524


96.5972, 0.3154,
0.3283

 74.3484, 0.2341,
0.3558

 96.7527, 0.3140,
0.3259

 73.9419, 0.2334,
0.3591

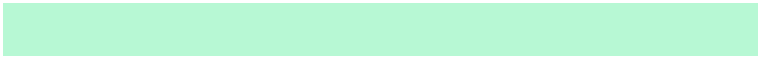
 96.8650, 0.3129,
0.3243

 73.8485, 0.2334,
0.3602

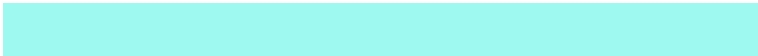
Harmonies

Analogous

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



81.9912, 0.2932, 0.3702



81.9912, 0.2653, 0.3391



81.9912, 0.2502, 0.3068

Triad

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



81.9912, 0.2653, 0.3391



81.9912, 0.2953, 0.2766



81.9912, 0.3783, 0.3714

Complementary

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



81.9912, 0.2653, 0.3391



47.5369, 0.3940, 0.3195

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.



81.9912, 0.3796, 0.3452



81.9912, 0.2653, 0.3391



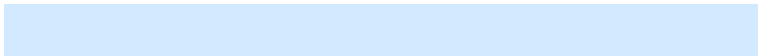
81.9912, 0.3301, 0.2924

Square

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



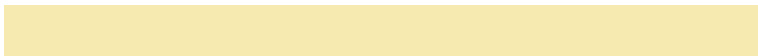
81.9912, 0.2653, 0.3391



81.9912, 0.2667, 0.2729



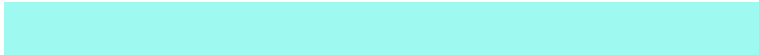
81.9912, 0.3616, 0.3169



81.9912, 0.3587, 0.3881

Rectangle

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



81.9912, 0.2653, 0.3391



81.9912, 0.2488, 0.2897



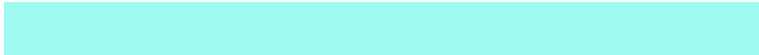
81.9912, 0.3616, 0.3169



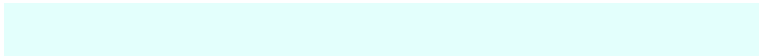
81.9912, 0.3809, 0.3633

Sweetspot

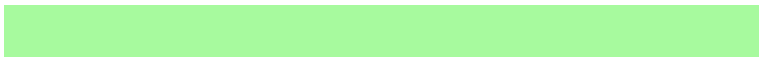
The Sweet Spot groups the original color and five complimentary colors.



81.9945, 0.2653, 0.3391



94.8868, 0.2973, 0.3317



79.0784, 0.3129, 0.4393



20.1860, 0.2954, 0.3321



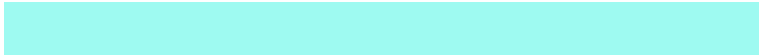
0.0000, 0.0000, 0.0000



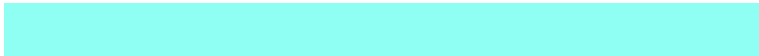
21.4041, 0.3127, 0.3290

Same Dimension

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



81.9945, 0.2653, 0.3391



83.8732, 0.2580, 0.3414



61.8395, 0.2549, 0.2856



19.5775, 0.2993, 0.3313



39.1758, 0.2332, 0.3596



3.6366, 0.2321, 0.3556

Inverse Universe

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



47.5369, 0.3940, 0.3195



43.1715, 0.4185, 0.3178



61.7123, 0.3883, 0.3683



17.2529, 0.3279, 0.3267



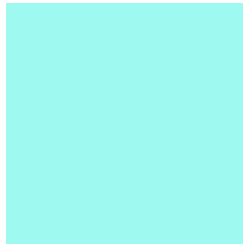
10.8258, 0.6290, 0.3239



1.0116, 0.6070, 0.3117

Previews

White Background



This preview shows how the Yxy color 81.9912, 0.2653, 0.3391 looks on a white background.

Color Contrast Check

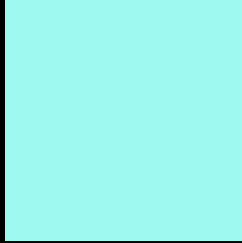
Large Text (above 18pt) WCAG AA × Fail

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 81.9912, 0.2653, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

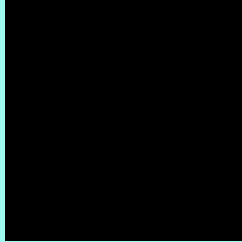
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.9912, 0.2653, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 81.9912, 0.2653, 0.3391.

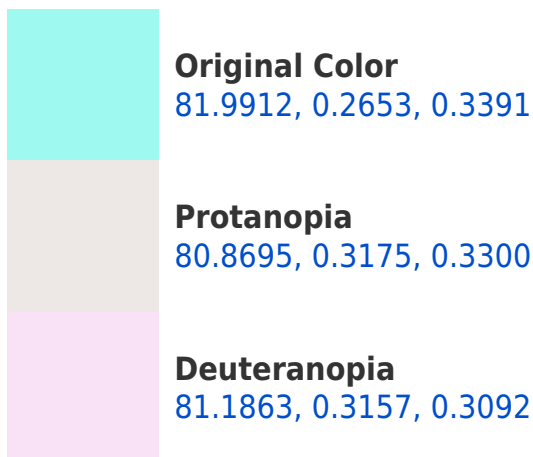


This preview shows how white text looks on a background with the Yxy color 81.9912, 0.2653, 0.3391.

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

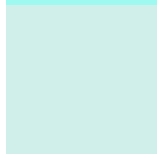
81.8006, 0.2745, 0.3149

Trichromacy



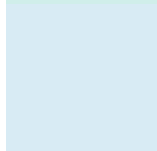
Original Color

81.9912, 0.2653, 0.3391



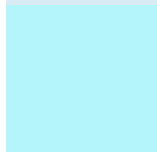
Protanomaly

80.4995, 0.2957, 0.3333



Deuteranomaly

80.5472, 0.2949, 0.3195



Tritanomaly

81.7906, 0.2708, 0.3234

Monochromacy



Original Color

81.9912, 0.2653, 0.3391



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3204, 0.2928, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9912, 0.2653, 0.3391 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(158, 250, 241)` looks like.

```
.text, #text, p{  
    color:rgb(158, 250, 241)  
}
```

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(158, 250, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 250, 241) }
```

Border

The CSS property to change the border of an element to Yxy 81.9912, 0.2653, 0.3391 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(158, 250, 241) }
```

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

```
.border{ border-color:rgb(158, 250, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 250, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 250, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 250, 241);  
box-shadow:4px 4px 4px 4px rgb(158, 250,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9912, 0.2653, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 250, 241) }
```

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

```
.background{ background-color: rgb(158,  
250, 241) }
```

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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