

Converting Colors

Yxy(81.5564, 0.2650, 0.3364)

Have a look what the booklet for
Yxy(81.5564, 0.2650, 0.3364)
contains.

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Color

Yxy(81.5331, 0.2652, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	9FF9F2
RGB	159, 249, 242
RGB Percent	62%, 98%, 95%
CMY	0.3764, 0.0235, 0.0510
CMYK	0.36, 0.00, 0.03, 0.02
HSL	175°, 88%, 80%
HSV	175°, 36%, 98%
XYZ	64.2001, 81.5331, 96.3485
YIQ	221.2920, -51.3930, -21.2570

Conversions

Conversions Part 2

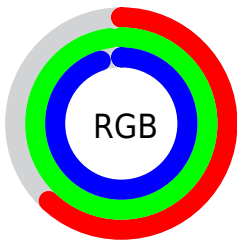
Format	Color
R _Y B	159, 206, 249
Decimal	10484210
CIE Lab	92.37, -28.40, -5.17
CIE LCh	92, 28.870, 190.313
Yxy	81.5331, 0.2652, 0.3368
Android (android.graphics.Color)	4288674290 (0xFF9FF9F2)
YUV	221.2920, 10.2090, -54.6301
Hunter-Lab	90.2957, -31.1043, -0.0574

Details

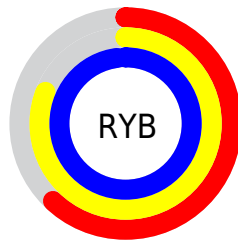
The Yxy color **81.5331, 0.2652, 0.3368** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.6940, 0.3936, 0.3217**, and the grayscale version is **72.4787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **44.1280, 0.2549, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **79.1257, 0.2550, 0.3393**, and if you desaturate by 10%, it is **84.4609, 0.2769, 0.3344**.

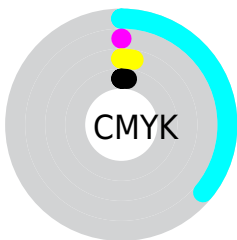
Distribution



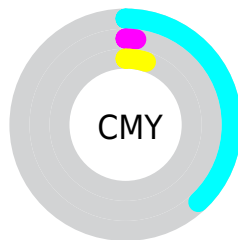
- Red (62%)
- Green (98%)
- Blue (95%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)





- Cyan (38%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5331, 0.2652, 0.3368 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 81.5331, 0.2652, 0.3368 by changing the saturation by 10% instead.

 81.5331, 0.2652,
0.3368


 81.5331, 0.2652,
0.3368

500.0846, 0.2865,
0.3336

 60.9808, 0.2605,
0.3374


 135.5191, 0.2725,
0.3358

 44.2096, 0.2548,
0.3382


 169.7215, 0.2753,
0.3353

 30.8354, 0.2477,
0.3391


209.2427, 0.2778,
0.3349

 20.4735, 0.2386,
0.3402

254.4671, 0.2800,
0.3346

 12.7397, 0.2265,
0.3414

305.7791, 0.2819,
0.3343

 7.2496, 0.2100,
0.3429


363.5631, 0.2836,


 3.6187, 0.1859,


0.3340


0.3443


428.2034, 0.2851,
0.3338


 1.4626, 0.1440,
0.3463


 0.2622, 0.0000,
0.2884


 81.5331, 0.2652,
0.3368


 81.5331, 0.2652,
0.3368


 79.1257, 0.2550,
0.3393


 84.4609, 0.2769,
0.3344


 77.1981, 0.2465,
0.3419


 87.9279, 0.2899,
0.3322


 75.7192, 0.2399,
0.3445


 91.9635, 0.3038,
0.3302


 74.6501, 0.2353,
0.3472


 95.9010, 0.3161,
0.3283

 73.9455, 0.2326,
0.3499

 96.0233, 0.3149,
0.3264

 73.5488, 0.2316,
0.3525

 96.1468, 0.3138,
0.3246

 73.4448, 0.2315,
0.3535

 96.2343, 0.3130,
0.3233

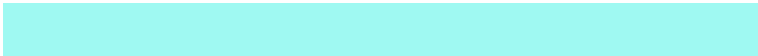
Harmonies

Analogous

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



81.5331, 0.2918, 0.3674



81.5331, 0.2652, 0.3368



81.5331, 0.2514, 0.3057

Triad

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



81.5331, 0.2652, 0.3368



81.5331, 0.2978, 0.2786



81.5331, 0.3758, 0.3717

Complementary

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



81.5331, 0.2652, 0.3368



47.6940, 0.3936, 0.3217

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.



81.5331, 0.3782, 0.3466



81.5331, 0.2652, 0.3368



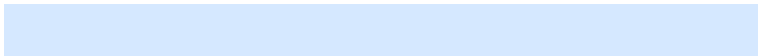
81.5331, 0.3318, 0.2946

Square

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



81.5331, 0.2652, 0.3368



81.5331, 0.2694, 0.2742



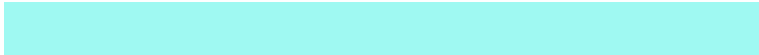
81.5331, 0.3619, 0.3189



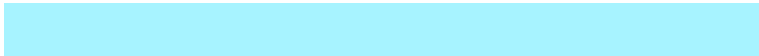
81.5331, 0.3559, 0.3871

Rectangle

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



81.5331, 0.2652, 0.3368



81.5331, 0.2506, 0.2895



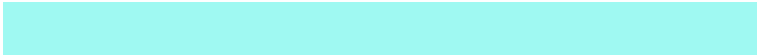
81.5331, 0.3619, 0.3189



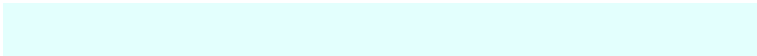
81.5331, 0.3788, 0.3640

Sweetspot

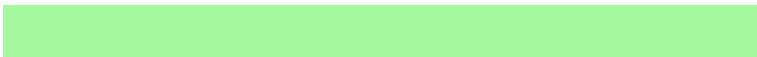
The Sweet Spot groups the original color and five complimentary colors.



81.5363, 0.2652, 0.3368



94.9227, 0.2970, 0.3311



78.4199, 0.3120, 0.4372



20.1946, 0.2951, 0.3314



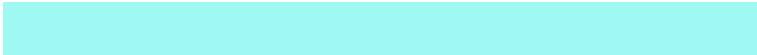
0.0000, 0.0000, 0.0000



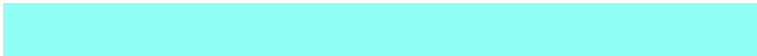
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5363, 0.2652, 0.3368



84.2532, 0.2580, 0.3385



61.0523, 0.2557, 0.2848



19.5839, 0.2991, 0.3308



39.3219, 0.2314, 0.3531



3.6486, 0.2305, 0.3499

Inverse Universe

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



47.6940, 0.3936, 0.3217



43.9476, 0.4173, 0.3204



62.3532, 0.3858, 0.3691



17.2472, 0.3282, 0.3272



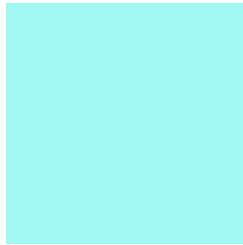
10.8142, 0.6318, 0.3254



1.0089, 0.6134, 0.3153

Previews

White Background



This preview shows how the Yxy color 81.5331, 0.2652, 0.3368 looks on a white background.

Color Contrast Check

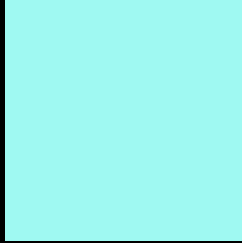
Large Text (above 18pt) WCAG AA × Fail

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 81.5331, 0.2652, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

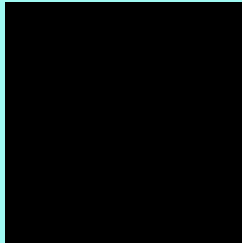
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.5331, 0.2652, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 81.5331, 0.2652, 0.3368.

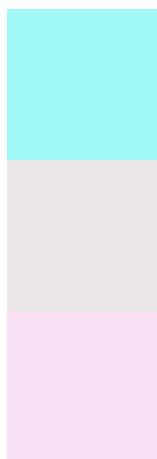


This preview shows how white text looks on a background with the Yxy color 81.5331, 0.2652, 0.3368.

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

81.5331, 0.2652, 0.3368

Protanopia

80.7542, 0.3161, 0.3290

Deuteranopia

80.5223, 0.3144, 0.3072



Tritanopia

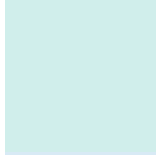
81.0777, 0.2738, 0.3138

Trichromacy



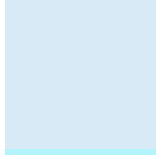
Original Color

81.5331, 0.2652, 0.3368



Protanomaly

80.5571, 0.2952, 0.3322



Deuteranomaly

80.0371, 0.2943, 0.3174



Tritanomaly

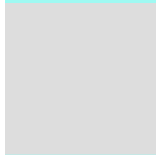
81.1872, 0.2707, 0.3223

Monochromacy



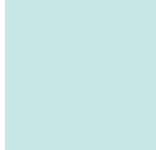
Original Color

81.5331, 0.2652, 0.3368



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.8147, 0.2922, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5331, 0.2652, 0.3368 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, 249, 242)` looks like.

```
.text, #text, p{  
    color:rgb(159, 249, 242)  
}
```

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, 249, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 249, 242) }
```

Border

The CSS property to change the border of an element to Yxy 81.5331, 0.2652, 0.3368 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, 249, 242) }
```

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

```
.border{ border-color:rgb(159, 249, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 249, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 249, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 249, 242);  
box-shadow:4px 4px 4px 4px rgb(159, 249,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5331, 0.2652, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 249, 242) }
```

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

```
.background{ background-color: rgb(159,  
249, 242) }
```

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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