

Converting Colors

$Yxy(84.3993, 0.2633, 0.3376)$

Have a look what the booklet for
Yxy(84.3993, 0.2633, 0.3376)
contains.

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Color

Yxy(84.7055, 0.2631, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	9DFEF6
RGB	157, 254, 246
RGB Percent	62%, 100%, 96%
CMY	0.3846, 0.0039, 0.0352
CMYK	0.38, 0.00, 0.03, 0.00
HSL	175°, 98%, 81%
HSV	175°, 38%, 100%
XYZ	65.9740, 84.7055, 100.0769
YIQ	224.0850, -55.2440, -23.0520

Conversions

Conversions Part 2

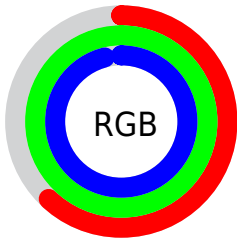
Format	Color
R _Y B	157, 208, 254
Decimal	10354422
CIE Lab	93.76, -30.38, -5.22
CIE LCh	94, 30.827, 189.752
Yxy	84.7055, 0.2631, 0.3378
Android (android.graphics.Color)	4288544502 (0xFF9DFEF6)
YUV	224.0850, 10.8041, -58.8335
Hunter-Lab	92.0356, -33.1079, -0.0453

Details

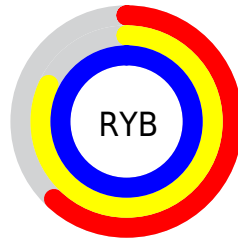
The Yxy color **84.7055, 0.2631, 0.3378** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.8808, 0.4001, 0.3208**, and the grayscale version is **74.5492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **46.3595, 0.2525, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **82.2875, 0.2533, 0.3405**, and if you desaturate by 10%, it is **87.6626, 0.2745, 0.3353**.

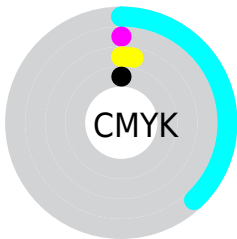
Distribution



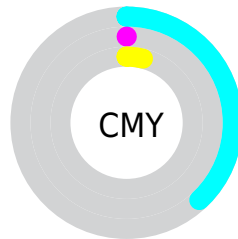
- Red (62%)
- Green (100%)
- Blue (96%)



- Red (62%)
- Yellow (82%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7055, 0.2631, 0.3378 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 84.7055, 0.2631, 0.3378 by changing the saturation by 10% instead.


 84.7055, 0.2631,
0.3378


 84.7055, 0.2631,
0.3378


510.6531, 0.2852,
0.3342

 63.5981, 0.2583,
0.3385

 139.9616, 0.2706,
0.3366

 46.3252, 0.2524,
0.3394


 174.8791, 0.2735,
0.3361

 32.5025, 0.2451,
0.3404


215.1688, 0.2761,
0.3357

 21.7456, 0.2359,
0.3416

261.2150, 0.2784,
0.3353

 13.6701, 0.2237,
0.3430

313.4021, 0.2804,
0.3350

 7.8916, 0.2072,
0.3447

372.1146, 0.2821,

 4.0257, 0.1834,

0.3347

0.3465

437.7368, 0.2837,
0.3344

1.6879, 0.1455,
0.3479

0.4158, 0.0000,
0.3371

84.7055, 0.2631,
0.3378

84.7055, 0.2631,
0.3378

82.2875, 0.2533,
0.3405

87.6626, 0.2745,
0.3353

80.3654, 0.2452,
0.3432

91.1792, 0.2872,
0.3329

78.9057, 0.2391,
0.3461

95.2865, 0.3009,
0.3307

77.8663, 0.2349,
0.3489

99.3322, 0.3131,
0.3286

■ 77.1976, 0.2326,
0.3517

99.3717, 0.3128,
0.3281

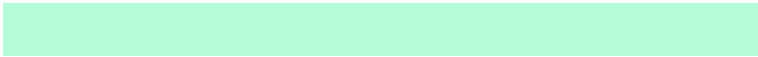
■ 76.8313, 0.2320,
0.3545

■ 76.7807, 0.2319,
0.3550

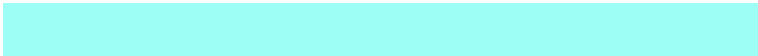
Harmonies

Analogous

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



84.7055, 0.2912, 0.3702



84.7055, 0.2631, 0.3378



84.7055, 0.2483, 0.3048

Triad

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



84.7055, 0.2631, 0.3378



84.7055, 0.2963, 0.2758



84.7055, 0.3794, 0.3734

Complementary

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



84.7055, 0.2631, 0.3378



47.8808, 0.4001, 0.3208

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.



84.7055, 0.3817, 0.3468



84.7055, 0.2631, 0.3378



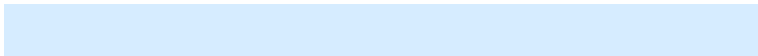
84.7055, 0.3321, 0.2925

Square

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



84.7055, 0.2631, 0.3378



84.7055, 0.2666, 0.2714



84.7055, 0.3641, 0.3178



84.7055, 0.3586, 0.3901

Rectangle

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



84.7055, 0.2631, 0.3378



84.7055, 0.2474, 0.2877



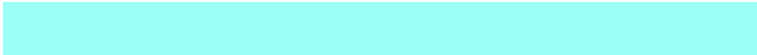
84.7055, 0.3641, 0.3178



84.7055, 0.3825, 0.3652

Sweetspot

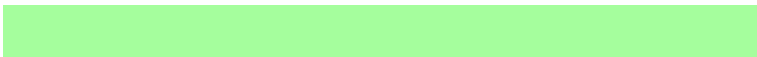
The Sweet Spot groups the original color and five complimentary colors.



84.7089, 0.2631, 0.3378



94.9149, 0.2970, 0.3313



81.3264, 0.3119, 0.4446



20.1927, 0.2951, 0.3316



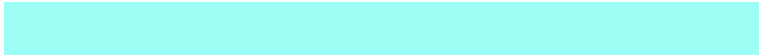
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.7089, 0.2631, 0.3378



83.5113, 0.2553, 0.3399



62.1921, 0.2524, 0.2817



20.4541, 0.2991, 0.3309



40.4858, 0.2318, 0.3545



3.9493, 0.2309, 0.3513

Inverse Universe

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



47.8808, 0.4001, 0.3208



41.4688, 0.4280, 0.3193



63.6138, 0.3913, 0.3715



18.0113, 0.3281, 0.3271



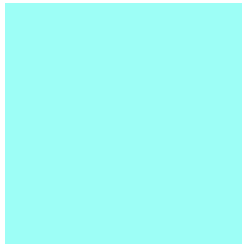
11.1455, 0.6313, 0.3252



1.0931, 0.6130, 0.3151

Previews

White Background



This preview shows how the Yxy color 84.7055, 0.2631, 0.3378 looks on a white background.

Color Contrast Check

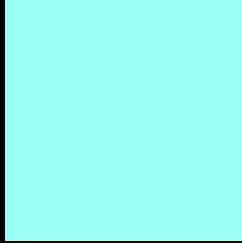
Large Text (above 18pt) WCAG AA × Fail

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 84.7055, 0.2631, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

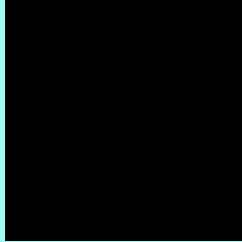
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7055, 0.2631, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 84.7055, 0.2631, 0.3378.

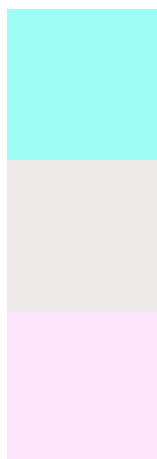


This preview shows how white text looks on a background with the Yxy color 84.7055, 0.2631, 0.3378.

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

84.7055, 0.2631, 0.3378

Protanopia

83.9401, 0.3161, 0.3290

Deuteranopia

83.6991, 0.3144, 0.3075



Tritanopia

84.3389, 0.2803, 0.3173

Trichromacy



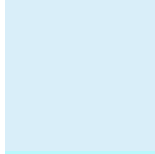
Original Color

84.7055, 0.2631, 0.3378



Protanomaly

83.4379, 0.2942, 0.3321



Deuteranomaly

82.7403, 0.2927, 0.3175



Tritanomaly

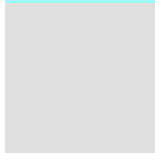
84.4774, 0.2733, 0.3246

Monochromacy



Original Color

84.7055, 0.2631, 0.3378



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.5222, 0.2918, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7055, 0.2631, 0.3378 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(157, 254, 246)` looks like.

```
.text, #text, p{  
    color:rgb(157, 254, 246)  
}
```

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(157, 254, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 254, 246) }
```

Border

The CSS property to change the border of an element to Yxy 84.7055, 0.2631, 0.3378 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(157, 254, 246) }
```

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

```
.border{ border-color:rgb(157, 254, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 254, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 254, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 254, 246);  
box-shadow:4px 4px 4px 4px rgb(157, 254,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7055, 0.2631, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 254, 246) }
```

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

```
.background{ background-color: rgb(157,  
254, 246) }
```

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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