

Converting Colors

$Y_{xy}(84.3265, 0.2715, 0.3590)$

Have a look what the booklet for
Yxy(84.3265, 0.2715, 0.3590)
contains.

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Color

Yxy(84.3452, 0.2713, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	9DFFE5
RGB	157, 255, 229
RGB Percent	62%, 100%, 90%
CMY	0.3842, 0.0000, 0.1019
CMYK	0.38, 0.00, 0.10, 0.00
HSL	164°, 100%, 81%
HSV	164°, 38%, 100%
XYZ	63.8116, 84.3452, 87.0501
YIQ	222.7340, -50.0620, -28.8620

Conversions

Conversions Part 2

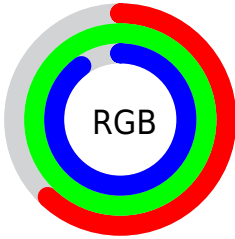
Format	Color
R _Y B	157, 213, 255
Decimal	10354661
CIE Lab	93.60, -34.60, 3.34
CIE LCh	94, 34.761, 174.482
Yxy	84.3452, 0.2713, 0.3586
Android (android.graphics.Color)	4288544741 (0xFF9DFFE5)
YUV	222.7340, 3.0891, -57.6487
Hunter-Lab	91.8396, -36.6948, 8.0898

Details

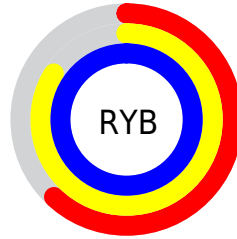
The Yxy color **84.3452, 0.2713, 0.3586** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.8030, 0.3827, 0.3020**, and the grayscale version is **73.6037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **46.1535, 0.2617, 0.3650** is the 20% darker color. If you saturate the color by 10%, you get **81.6745, 0.2631, 0.3678**, and if you desaturate by 10%, it is **87.5724, 0.2809, 0.3500**.

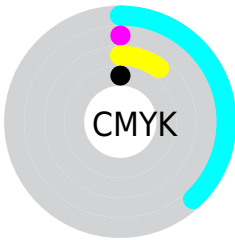
Distribution



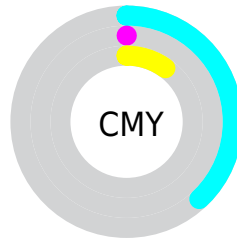
- Red (62%)
- Green (100%)
- Blue (90%)



- Red (62%)
- Yellow (84%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3452, 0.2713, 0.3586 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 84.3452, 0.2713, 0.3586 by changing the saturation by 10% instead.


 84.3452, 0.2713,
0.3586


 84.3452, 0.2713,
0.3586


509.4589, 0.2900,
0.3451

 63.3005, 0.2671,
0.3616

 139.4580, 0.2777,
0.3539

 46.0843, 0.2621,
0.3654


 174.2948, 0.2802,
0.3521

 32.3124, 0.2557,
0.3701

214.4978, 0.2824,
0.3506

 21.6002, 0.2475,
0.3762

260.4513, 0.2843,
0.3492

 13.5634, 0.2367,
0.3843

312.5398, 0.2860,
0.3480

 7.8177, 0.2216,
0.3959

371.1476, 0.2875,

 3.9785, 0.1992,

0.3469

0.4135

436.6592, 0.2888,
0.3460

■ 1.6615, 0.1575,
0.4461

■ 0.3986, 0.0000,
0.6655

■ 84.3452, 0.2713,
0.3586

■ 84.3452, 0.2713,
0.3586

■ 81.6745, 0.2631,
0.3678

■ 87.5724, 0.2809,
0.3500

■ 79.5167, 0.2565,
0.3775

■ 91.3771, 0.2915,
0.3419

■ 77.8377, 0.2518,
0.3874

■ 95.7911, 0.3028,
0.3346

■ 76.5948, 0.2491,
0.3975

100.0000, 0.3127,
0.3290

■ 75.7373, 0.2484,
0.4076

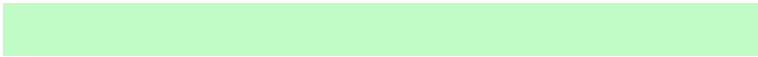
■ 75.1948, 0.2495,
0.4175

■ 75.1228, 0.2498,
0.4191

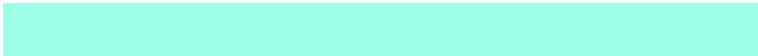
Harmonies

Analogous

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



84.3452, 0.3078, 0.3898



84.3452, 0.2713, 0.3586



84.3452, 0.2467, 0.3196

Triad

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



84.3452, 0.2713, 0.3586



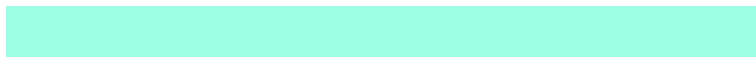
84.3452, 0.2757, 0.2651



84.3452, 0.3923, 0.3640

Complementary

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



84.3452, 0.2713, 0.3586



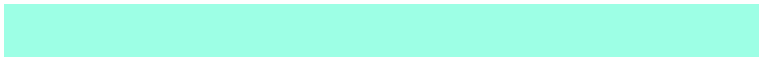
48.8030, 0.3827, 0.3020

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.



84.3452, 0.3832, 0.3319



84.3452, 0.2713, 0.3586



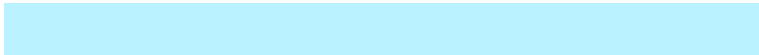
84.3452, 0.3136, 0.2771

Square

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



84.3452, 0.2713, 0.3586



84.3452, 0.2492, 0.2678



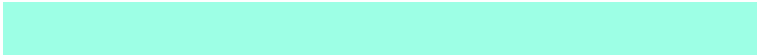
84.3452, 0.3536, 0.3010



84.3452, 0.3786, 0.3900

Rectangle

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



84.3452, 0.2713, 0.3586



84.3452, 0.2396, 0.2963



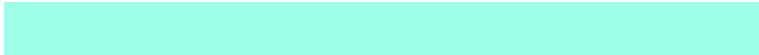
84.3452, 0.3536, 0.3010



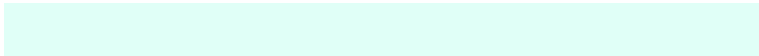
84.3452, 0.3919, 0.3536

Sweetspot

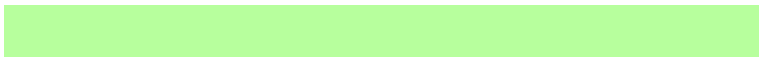
The Sweet Spot groups the original color and five complimentary colors.



84.3484, 0.2713, 0.3586



94.1394, 0.2987, 0.3372



84.0414, 0.3226, 0.4415



20.0250, 0.2972, 0.3381



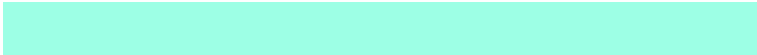
0.0000, 0.0000, 0.0000



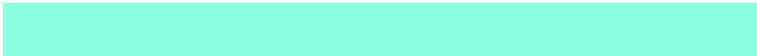
21.4041, 0.3127, 0.3290

Same Dimension

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



84.3484, 0.2713, 0.3586



82.2730, 0.2649, 0.3655



72.1828, 0.2553, 0.3028



20.3943, 0.3016, 0.3354



39.2793, 0.2493, 0.4175



3.8426, 0.2461, 0.4061

Inverse Universe

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



48.8030, 0.3827, 0.3020



42.2088, 0.4038, 0.2968



56.2925, 0.3993, 0.3533



18.0662, 0.3252, 0.3227



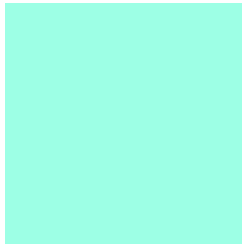
11.3455, 0.5887, 0.3017



1.1218, 0.5569, 0.2842

Previews

White Background



This preview shows how the Yxy color 84.3452, 0.2713, 0.3586 looks on a white background.

Color Contrast Check

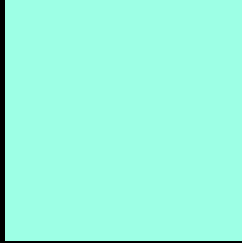
Large Text (above 18pt) WCAG AA × Fail

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 84.3452, 0.2713, 0.3586 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 84.3452, 0.2713, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 84.3452, 0.2713, 0.3586.

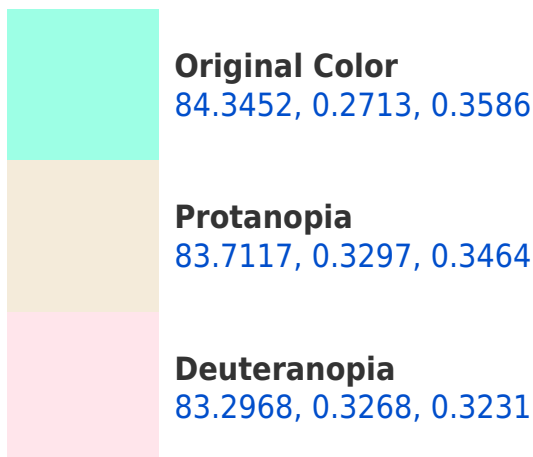


This preview shows how white text looks on a background with the Yxy color 84.3452, 0.2713, 0.3586.

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

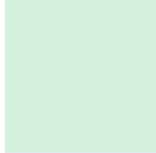
83.7387, 0.2802, 0.3162

Trichromacy



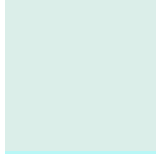
Original Color

84.3452, 0.2713, 0.3586



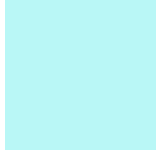
Protanomaly

82.7752, 0.3053, 0.3505



Deuteranomaly

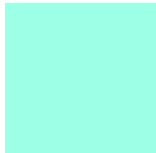
82.0923, 0.3033, 0.3343



Tritanomaly

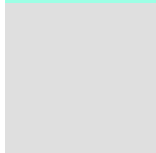
83.4896, 0.2763, 0.3300

Monochromacy



Original Color

84.3452, 0.2713, 0.3586



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.9950, 0.2953, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3452, 0.2713, 0.3586 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, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 229)  
}
```

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, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 84.3452, 0.2713, 0.3586 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, 255, 229) }
```

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

```
.border{ border-color:rgb(157, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3452, 0.2713, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 229) }
```

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

```
.background{ background-color: rgb(157,  
255, 229) }
```

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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