

Converting Colors

$Y_{xy}(86.3073, 0.2660, 0.3604)$

Have a look what the booklet for
Yxy(86.3073, 0.2660, 0.3604)
contains.

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Color

Yxy(83.5492, 0.2653, 0.3554)

Conversions

Conversions Part 1

Format	Color
Hex	93FFE8
RGB	147, 255, 232
RGB Percent	58%, 100%, 91%
CMY	0.4232, 0.0000, 0.0903
CMYK	0.42, 0.00, 0.09, 0.00
HSL	167°, 100%, 79%
HSV	167°, 42%, 100%
XYZ	62.3680, 83.5492, 89.1677
YIQ	220.0860, -56.9850, -30.0490

Conversions

Conversions Part 2

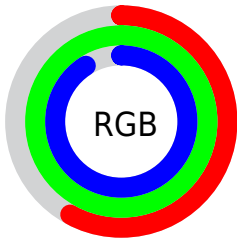
Format	Color
RYB	147, 207, 255
Decimal	9699304
CIELab	93.25, -36.44, 1.25
CIElCh	93, 36.457, 178.031
Yxy	83.5492, 0.2653, 0.3554
Android (android.graphics.Color)	4287889384 (0xFF93FFE8)
YUV	220.0860, 5.8736, -64.0964
Hunter-Lab	91.4053, -38.1643, 6.1450

Details

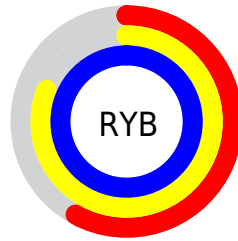
The Yxy color **83.5492, 0.2653, 0.3554** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.0625, 0.3992, 0.3051**, and the grayscale version is **71.6374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **45.6466, 0.2552, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **81.1445, 0.2572, 0.3628**, and if you desaturate by 10%, it is **86.4926, 0.2749, 0.3484**.

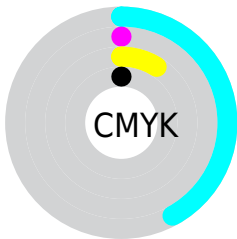
Distribution



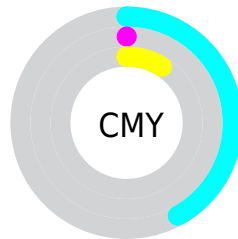
- Red (58%)
- Green (100%)
- Blue (91%)



- Red (58%)
- Yellow (81%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5492, 0.2653, 0.3554 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 83.5492, 0.2653, 0.3554 by changing the saturation by 10% instead.


 83.5492, 0.2653,
0.3554

 83.5492, 0.2653,
0.3554


506.8150, 0.2866,
0.3435

 62.6433, 0.2606,
0.3581


 138.3444, 0.2726,
0.3513

 45.5527, 0.2548,
0.3613


 173.0025, 0.2755,
0.3497

 31.8930, 0.2476,
0.3654


213.0135, 0.2779,
0.3483

 21.2798, 0.2384,
0.3706

258.7617, 0.2801,
0.3471

 13.3287, 0.2262,
0.3776

310.6316, 0.2820,
0.3460

 7.6553, 0.2093,
0.3874


369.0075, 0.2837,


 3.8752, 0.1845,

0.3451

0.4018

434.2738, 0.2853,
0.3442


 1.6040, 0.1355,
0.4302


 0.3603, 0.0000,
0.5418


 83.5492, 0.2653,
0.3554


 83.5492, 0.2653,
0.3554


 81.1445, 0.2572,
0.3628

 86.4926, 0.2749,
0.3484


 79.2336, 0.2509,
0.3705

 89.9966, 0.2857,
0.3418

 77.7805, 0.2466,
0.3784

 94.0937, 0.2974,
0.3357

 76.7401, 0.2442,
0.3864

 98.8112, 0.3098,
0.3302

■ 76.0576, 0.2438,
0.3943

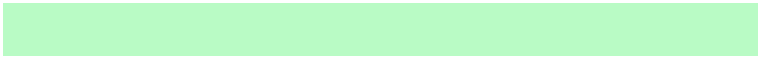
99.9955, 0.3127,
0.3290

■ 75.7141, 0.2445,
0.4003

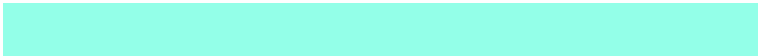
Harmonies

Analogous

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



83.5492, 0.3025, 0.3902



83.5492, 0.2653, 0.3554



83.5492, 0.2415, 0.3142

Triad

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



83.5492, 0.2653, 0.3554



83.5492, 0.2780, 0.2628



83.5492, 0.3959, 0.3693

Complementary

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



83.5492, 0.2653, 0.3554



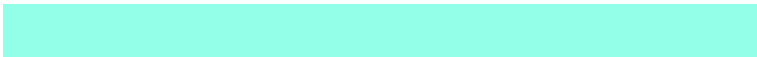
45.0625, 0.3992, 0.3051

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.



83.5492, 0.3893, 0.3359



83.5492, 0.2653, 0.3554



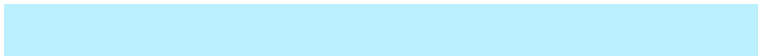
83.5492, 0.3187, 0.2771

Square

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



83.5492, 0.2653, 0.3554



83.5492, 0.2485, 0.2636



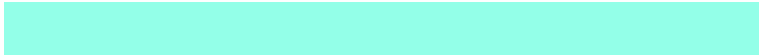
83.5492, 0.3603, 0.3031



83.5492, 0.3788, 0.3953

Rectangle

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



83.5492, 0.2653, 0.3554



83.5492, 0.2356, 0.2907



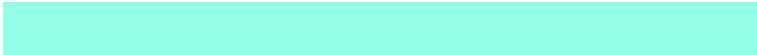
83.5492, 0.3603, 0.3031



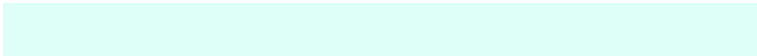
83.5492, 0.3965, 0.3585

Sweetspot

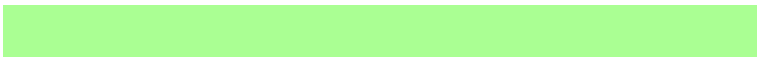
The Sweet Spot groups the original color and five complimentary colors.



83.5525, 0.2653, 0.3554



93.7989, 0.2966, 0.3361



82.2240, 0.3199, 0.4558



19.8740, 0.2940, 0.3374



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

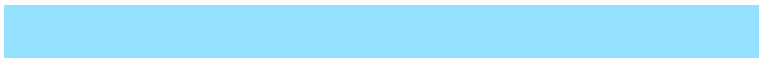
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5525, 0.2653, 0.3554



81.4368, 0.2582, 0.3618



66.9701, 0.2490, 0.2933



20.4112, 0.3009, 0.3341



39.5876, 0.2442, 0.3990



3.8703, 0.2417, 0.3900

Inverse Universe

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



45.0625, 0.3992, 0.3051



38.2041, 0.4275, 0.3008



55.0767, 0.4091, 0.3613



18.0505, 0.3261, 0.3240



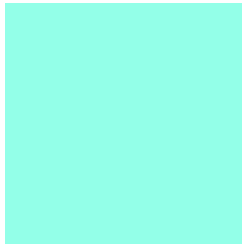
11.2674, 0.6044, 0.3103



1.1122, 0.5741, 0.2936

Previews

White Background



This preview shows how the Yxy color 83.5492, 0.2653, 0.3554 looks on a white background.

Color Contrast Check

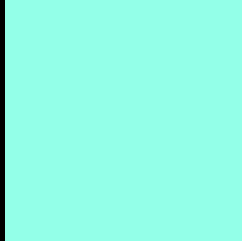
Large Text (above 18pt) WCAG AA × Fail

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 83.5492, 0.2653, 0.3554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

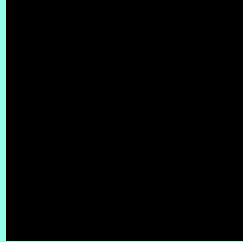
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5492, 0.2653, 0.3554

Background



This preview shows how black text looks on a background with the Yxy color 83.5492, 0.2653, 0.3554.

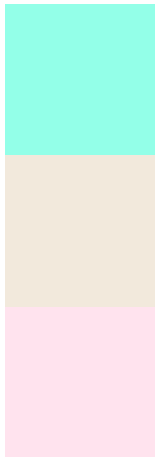


This preview shows how white text looks on a background with the Yxy color 83.5492, 0.2653, 0.3554.

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

83.5492, 0.2653, 0.3554

Protanopia

82.3224, 0.3272, 0.3424

Deuteranopia

82.3712, 0.3250, 0.3182



Tritanopia

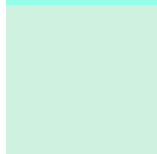
82.9233, 0.2768, 0.3161

Trichromacy



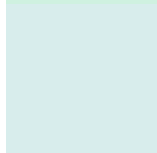
Original Color

83.5492, 0.2653, 0.3554



Protanomaly

81.5578, 0.3009, 0.3474



Deuteranomaly

81.2234, 0.2996, 0.3300



Tritanomaly

82.7019, 0.2720, 0.3289

Monochromacy



Original Color

83.5492, 0.2653, 0.3554



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.9971, 0.2920, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5492, 0.2653, 0.3554 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(147, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 232)  
}
```

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(147, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 83.5492, 0.2653, 0.3554 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(147, 255, 232) }
```

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

```
.border{ border-color:rgb(147, 255, 232) }
```

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

Here you see how a box with a 4 pixel rgb(147, 255, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5492, 0.2653, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 232) }
```

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

```
.background{ background-color: rgb(147,  
255, 232) }
```

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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