

Converting Colors

$Y_{xy}(100.0000, 0.2757, 0.3779)$

Have a look what the booklet for
Yxy(100.0000, 0.2757, 0.3779)
contains.

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Color

Yxy(85.2387, 0.2732, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFE8
RGB	164, 255, 232
RGB Percent	64%, 100%, 91%
CMY	0.3570, 0.0000, 0.0900
CMYK	0.36, 0.00, 0.09, 0.00
HSL	165°, 100%, 82%
HSV	165°, 36%, 100%
XYZ	65.6348, 85.2387, 89.3709
YIQ	225.1690, -46.8530, -26.4450

Conversions

Conversions Part 2

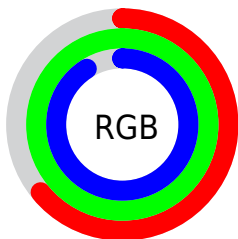
Format	Color
RYB	164, 216, 255
Decimal	10813416
CIELab	93.99, -32.13, 2.37
CIELCh	94, 32.219, 175.778
Yxy	85.2387, 0.2732, 0.3548
Android (android.graphics.Color)	4289003496 (0xFFA4FFE8)
YUV	225.1690, 3.3677, -53.6452
Hunter-Lab	92.3248, -34.6707, 7.2343

Details

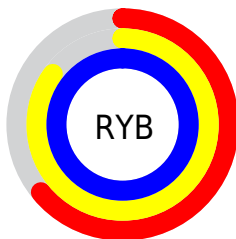
The Yxy color **85.2387, 0.2732, 0.3548** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.3831, 0.3769, 0.3051**, and the grayscale version is **75.4190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **46.7109, 0.2648, 0.3615** is the 20% darker color. If you saturate the color by 10%, you get **82.4331, 0.2645, 0.3634**, and if you desaturate by 10%, it is **88.5996, 0.2832, 0.3468**.

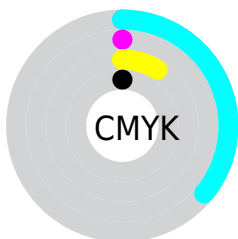
Distribution



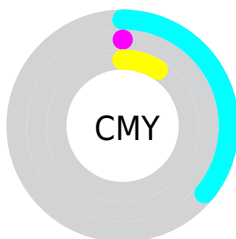
- Red (64%)
- Green (100%)
- Blue (91%)



- Red (64%)
- Yellow (85%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2387, 0.2732, 0.3548 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 85.2387, 0.2732, 0.3548 by changing the saturation by 10% instead.

 85.2387, 0.2732,
0.3548

 85.2387, 0.2732,
0.3548


512.4176, 0.2910,
0.3431

 64.0386, 0.2693,
0.3574


 140.7066, 0.2793,
0.3508

 46.6820, 0.2644,
0.3606


 175.7433, 0.2817,
0.3492

 32.7843, 0.2584,
0.3647

216.1609, 0.2837,
0.3478

 21.9613, 0.2507,
0.3698

262.3439, 0.2855,
0.3467

 13.8284, 0.2405,
0.3768

314.6767, 0.2871,
0.3456

 8.0014, 0.2263,
0.3866

373.5436, 0.2886,

 4.0959, 0.2054,

0.3447

0.4013

439.3291, 0.2898,
0.3438

1.7273, 0.1698,
0.4267

0.4413, 0.0000,
0.5838

85.2387, 0.2732,
0.3548

85.2387, 0.2732,
0.3548

82.4331, 0.2645,
0.3634

88.5996, 0.2832,
0.3468

80.1528, 0.2573,
0.3724

92.5488, 0.2942,
0.3393

78.3606, 0.2519,
0.3818

97.1131, 0.3059,
0.3326

77.0153, 0.2486,
0.3913

100.0000, 0.3127,
0.3290

■ 76.0689, 0.2472,
0.4008

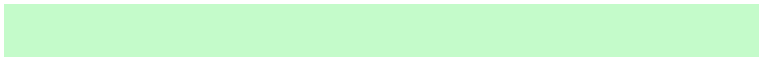
■ 75.4622, 0.2478,
0.4103

■ 75.2686, 0.2484,
0.4143

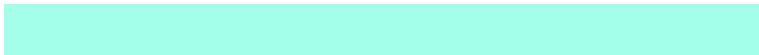
Harmonies

Analogous

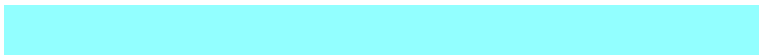
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2387, 0.3068, 0.3839



85.2387, 0.2732, 0.3548



85.2387, 0.2509, 0.3190

Triad

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



85.2387, 0.2732, 0.3548



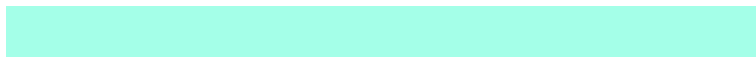
85.2387, 0.2799, 0.2698



85.2387, 0.3861, 0.3630

Complementary

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



85.2387, 0.2732, 0.3548



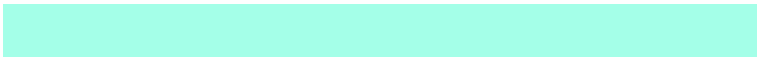
51.3831, 0.3769, 0.3051

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.



85.2387, 0.3785, 0.3333



85.2387, 0.2732, 0.3548



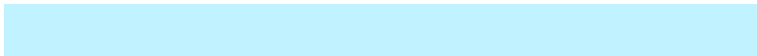
85.2387, 0.3153, 0.2816

Square

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



85.2387, 0.2732, 0.3548



85.2387, 0.2546, 0.2719



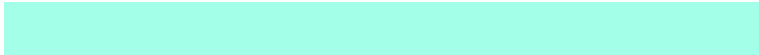
85.2387, 0.3520, 0.3042



85.2387, 0.3727, 0.3863

Rectangle

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



85.2387, 0.2732, 0.3548



85.2387, 0.2446, 0.2977



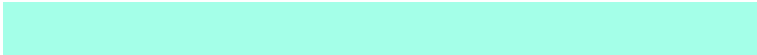
85.2387, 0.3520, 0.3042



85.2387, 0.3860, 0.3534

Sweetspot

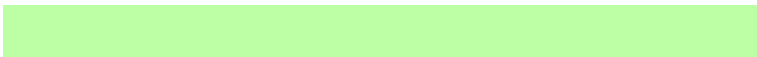
The Sweet Spot groups the original color and five complimentary colors.



85.2378, 0.2732, 0.3548



94.6156, 0.2996, 0.3361



84.9212, 0.3222, 0.4325



20.1210, 0.2980, 0.3370



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

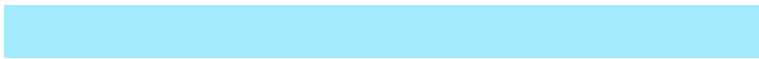
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2378, 0.2732, 0.3548



83.1372, 0.2667, 0.3610



73.8172, 0.2590, 0.3049



20.3986, 0.3014, 0.3351



39.3548, 0.2480, 0.4127



3.8494, 0.2450, 0.4020

Inverse Universe

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



51.3831, 0.3769, 0.3051



44.6349, 0.3967, 0.3003



58.7238, 0.3911, 0.3515



18.0622, 0.3254, 0.3230



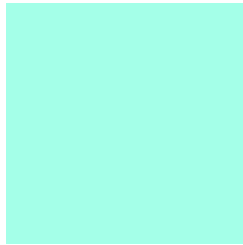
11.3240, 0.5929, 0.3040



1.1193, 0.5614, 0.2866

Previews

White Background



This preview shows how the Yxy color 85.2387, 0.2732, 0.3548 looks on a white background.

Color Contrast Check

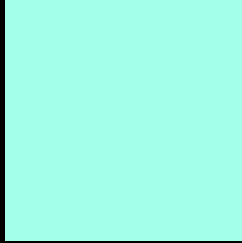
Large Text (above 18pt) WCAG AA × Fail

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 85.2387, 0.2732, 0.3548 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

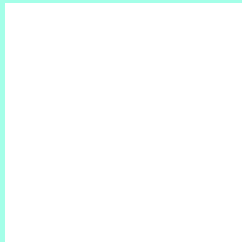
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.2387, 0.2732, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 85.2387, 0.2732, 0.3548.

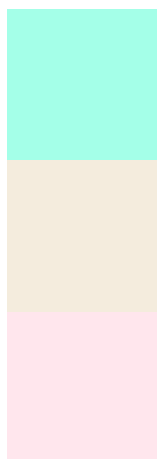


This preview shows how white text looks on a background with the Yxy color 85.2387, 0.2732, 0.3548.

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

85.2387, 0.2732, 0.3548

Protanopia

84.4445, 0.3276, 0.3443

Deuteranopia

83.9681, 0.3254, 0.3222



Tritanopia

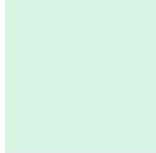
84.9005, 0.2825, 0.3174

Trichromacy



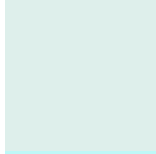
Original Color

85.2387, 0.2732, 0.3548



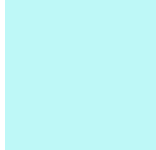
Protanomaly

83.9845, 0.3054, 0.3482



Deuteranomaly

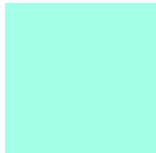
83.2608, 0.3041, 0.3332



Tritanomaly

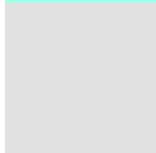
84.7974, 0.2786, 0.3300

Monochromacy



Original Color

85.2387, 0.2732, 0.3548



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2889, 0.2961, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2387, 0.2732, 0.3548 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(164, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 85.2387, 0.2732, 0.3548 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(164, 255, 232) }
```

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

```
.border{ border-color:rgb(164, 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(164, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2387, 0.2732, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 232) }
```

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

```
.background{ background-color: rgb(164,  
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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