

Converting Colors

$Y_{xy}(100.0000, 0.2756, 0.3764)$

Have a look what the booklet for
Yxy(100.0000, 0.2756, 0.3764)
contains.

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Color

Yxy(85.4025, 0.2732, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFE9
RGB	165, 255, 233
RGB Percent	65%, 100%, 91%
CMY	0.3534, 0.0000, 0.0863
CMYK	0.35, 0.00, 0.09, 0.00
HSL	165°, 100%, 82%
HSV	165°, 35%, 100%
XYZ	65.9654, 85.4025, 90.0867
YIQ	225.5820, -46.5780, -25.9220

Conversions

Conversions Part 2

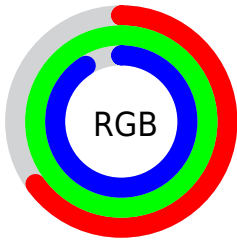
Format	Color
RYB	165, 216, 255
Decimal	10878953
CIELab	94.06, -31.69, 1.99
CIElCh	94, 31.757, 176.398
Yxy	85.4025, 0.2732, 0.3537
Android (android.graphics.Color)	4289069033 (0xFFA5FFE9)
YUV	225.5820, 3.6571, -53.1304
Hunter-Lab	92.4135, -34.3090, 6.8922

Details

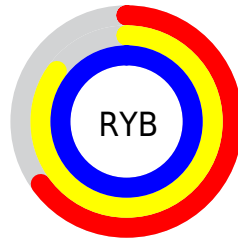
The Yxy color **85.4025, 0.2732, 0.3537** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.7134, 0.3767, 0.3061**, and the grayscale version is **75.7067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **46.8137, 0.2648, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **82.5750, 0.2643, 0.3620**, and if you desaturate by 10%, it is **88.7619, 0.2833, 0.3459**.

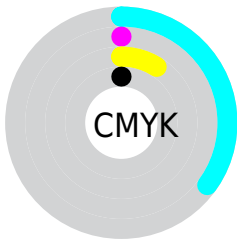
Distribution



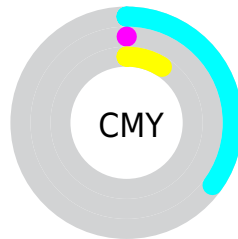
- Red (65%)
- Green (100%)
- Blue (91%)



- Red (65%)
- Yellow (85%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4025, 0.2732, 0.3537 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 85.4025, 0.2732, 0.3537 by changing the saturation by 10% instead.


 85.4025, 0.2732,
0.3537

 85.4025, 0.2732,
0.3537


512.9590, 0.2910,
0.3425

 64.1740, 0.2693,
0.3562


 140.9354, 0.2793,
0.3499

 46.7916, 0.2645,
0.3593

 176.0086, 0.2816,
0.3484

 32.8710, 0.2585,
0.3631


216.4655, 0.2837,
0.3471

 22.0276, 0.2508,
0.3680

262.6904, 0.2855,
0.3459

 13.8772, 0.2406,
0.3746

315.0679, 0.2871,
0.3449

 8.0353, 0.2265,
0.3839

373.9822, 0.2885,

 4.1175, 0.2057,

0.3440

0.3977

439.8177, 0.2898,
0.3432

■ 1.7395, 0.1708,
0.4213

■ 0.4491, 0.0000,
0.5624

■ 85.4025, 0.2732,
0.3537

■ 85.4025, 0.2732,
0.3537

■ 82.5750, 0.2643,
0.3620

■ 88.7619, 0.2833,
0.3459

■ 80.2852, 0.2570,
0.3707

■ 92.7216, 0.2945,
0.3388

■ 78.4840, 0.2515,
0.3797

■ 97.2967, 0.3062,
0.3322

■ 77.1305, 0.2480,
0.3889

100.0000, 0.3127,
0.3290

■ 76.1772, 0.2466,
0.3981

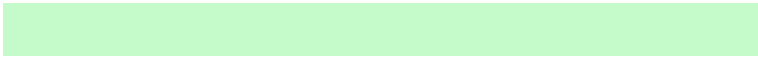
■ 75.5651, 0.2470,
0.4072

■ 75.3571, 0.2476,
0.4115

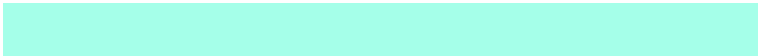
Harmonies

Analogous

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



85.4025, 0.3062, 0.3826



85.4025, 0.2732, 0.3537



85.4025, 0.2514, 0.3185

Triad

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



85.4025, 0.2732, 0.3537



85.4025, 0.2810, 0.2707



85.4025, 0.3849, 0.3631

Complementary

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



85.4025, 0.2732, 0.3537



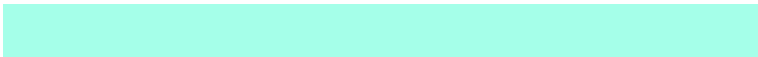
51.7134, 0.3767, 0.3061

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.



85.4025, 0.3779, 0.3339



85.4025, 0.2732, 0.3537



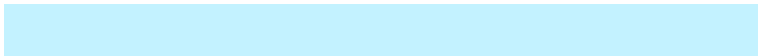
85.4025, 0.3161, 0.2826

Square

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



85.4025, 0.2732, 0.3537



85.4025, 0.2558, 0.2725



85.4025, 0.3521, 0.3051



85.4025, 0.3714, 0.3858

Rectangle

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



85.4025, 0.2732, 0.3537



85.4025, 0.2455, 0.2977



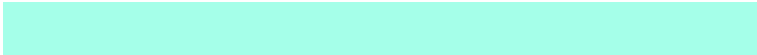
85.4025, 0.3521, 0.3051



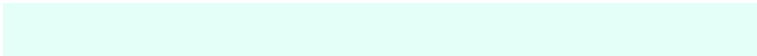
85.4025, 0.3849, 0.3537

Sweetspot

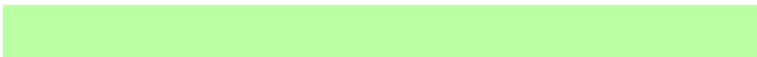
The Sweet Spot groups the original color and five complimentary colors.



85.3897, 0.2732, 0.3537



94.6292, 0.2995, 0.3358



84.8498, 0.3212, 0.4316



20.1242, 0.2979, 0.3367



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

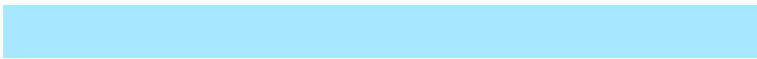
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3897, 0.2732, 0.3537



83.4546, 0.2671, 0.3591



73.1865, 0.2593, 0.3035



20.4011, 0.3013, 0.3349



39.4006, 0.2472, 0.4099



3.8535, 0.2443, 0.3995

Inverse Universe

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



51.7134, 0.3767, 0.3061



45.4669, 0.3947, 0.3018



59.6898, 0.3894, 0.3529



18.0598, 0.3256, 0.3232



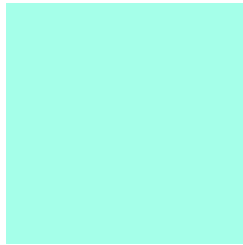
11.3118, 0.5953, 0.3053



1.1178, 0.5640, 0.2881

Previews

White Background



This preview shows how the Yxy color 85.4025, 0.2732, 0.3537 looks on a white background.

Color Contrast Check

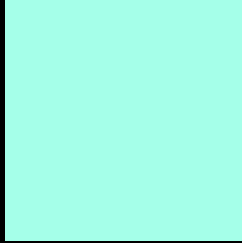
Large Text (above 18pt) WCAG AA × Fail

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 85.4025, 0.2732, 0.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

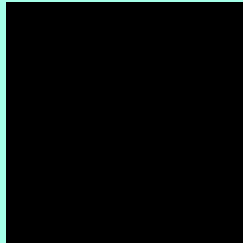
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

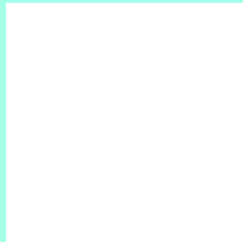
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.4025, 0.2732, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 85.4025, 0.2732, 0.3537.

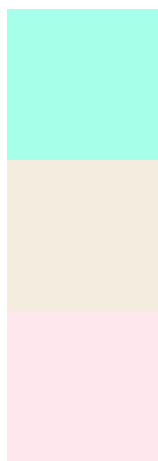


This preview shows how white text looks on a background with the Yxy color 85.4025, 0.2732, 0.3537.

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

85.4025, 0.2732, 0.3537

Protanopia

84.4979, 0.3270, 0.3433

Deuteranopia

84.5849, 0.3247, 0.3222



Tritanopia

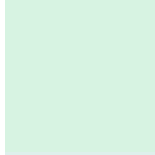
85.0432, 0.2831, 0.3174

Trichromacy



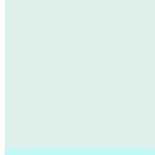
Original Color

85.4025, 0.2732, 0.3537



Protanomaly

84.0392, 0.3048, 0.3471



Deuteranomaly

83.9059, 0.3034, 0.3332



Tritanomaly

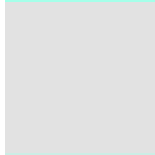
84.9266, 0.2791, 0.3300

Monochromacy



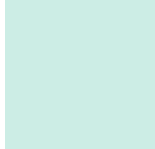
Original Color

85.4025, 0.2732, 0.3537



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0629, 0.2961, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4025, 0.2732, 0.3537 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(165, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 233)  
}
```

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(165, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 85.4025, 0.2732, 0.3537 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(165, 255, 233) }
```

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

```
.border{ border-color:rgb(165, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4025, 0.2732, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 233) }
```

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

```
.background{ background-color: rgb(165,  
255, 233) }
```

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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