

Converting Colors

$Y_{xy}(100.0000, 0.2732, 0.3745)$

Have a look what the booklet for
Yxy(100.0000, 0.2732, 0.3745)
contains.

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Color

Yxy(85.0952, 0.2703, 0.3515)

Conversions

Conversions Part 1

Format	Color
Hex	A1FFEB
RGB	161, 255, 235
RGB Percent	63%, 100%, 92%
CMY	0.3690, 0.0000, 0.0785
CMYK	0.37, 0.00, 0.08, 0.00
HSL	167°, 100%, 82%
HSV	167°, 37%, 100%
XYZ	65.4374, 85.0952, 91.5590
YIQ	224.6140, -49.6040, -26.1480

Conversions

Conversions Part 2

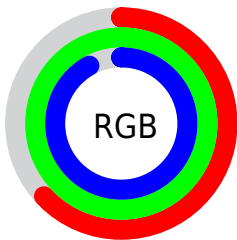
Format	Color
RYB	161, 214, 255
Decimal	10616811
CIELab	93.92, -32.31, 0.75
CIELCh	94, 32.318, 178.671
Yxy	85.0952, 0.2703, 0.3515
Android (android.graphics.Color)	4288806891 (0xFFA1FFEB)
YUV	224.6140, 5.1203, -55.7895
Hunter-Lab	92.2471, -34.8097, 5.7251

Details

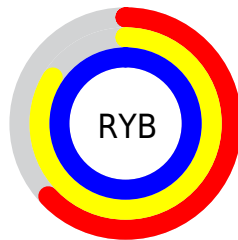
The Yxy color **85.0952, 0.2703, 0.3515** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.0520, 0.3836, 0.3082**, and the grayscale version is **74.9707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **46.6461, 0.2614, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **82.3934, 0.2614, 0.3587**, and if you desaturate by 10%, it is **88.3262, 0.2806, 0.3447**.

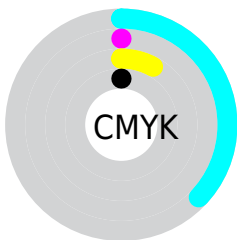
Distribution



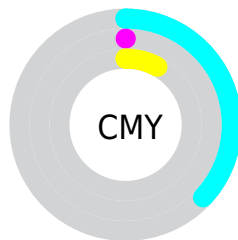
- Red (63%)
- Green (100%)
- Blue (92%)



- Red (63%)
- Yellow (84%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (37%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0952, 0.2703, 0.3515 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 85.0952, 0.2703, 0.3515 by changing the saturation by 10% instead.


 85.0952, 0.2703,
0.3515


 85.0952, 0.2703,
0.3515

511.9430, 0.2893,
0.3414

 63.9200, 0.2661,
0.3537


 140.5062, 0.2768,
0.3480

 46.5859, 0.2610,
0.3565


 175.5108, 0.2793,
0.3467

 32.7084, 0.2546,
0.3599


215.8940, 0.2816,
0.3455

 21.9032, 0.2464,
0.3643

262.0402, 0.2835,
0.3445

 13.7858, 0.2356,
0.3701

314.3338, 0.2852,
0.3436

 7.9718, 0.2207,
0.3782

373.1593, 0.2867,

 4.0769, 0.1987,

0.3428

0.3902

438.9009, 0.2881,
0.3420

1.7167, 0.1617,
0.4105

0.4344, 0.0000,
0.5081

85.0952, 0.2703,
0.3515

85.0952, 0.2703,
0.3515

82.3934, 0.2614,
0.3587

88.3262, 0.2806,
0.3447

80.2183, 0.2541,
0.3662

92.1474, 0.2919,
0.3384

78.5229, 0.2486,
0.3740

96.5767, 0.3041,
0.3327

77.2656, 0.2452,
0.3819

100.0000, 0.3127,
0.3290

■ 76.3972, 0.2437,
0.3898

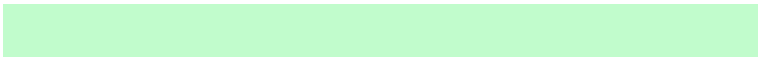
■ 75.8559, 0.2441,
0.3977

■ 75.7253, 0.2445,
0.4001

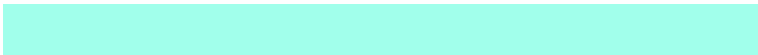
Harmonies

Analogous

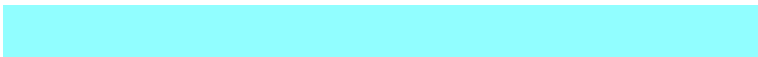
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0952, 0.3032, 0.3820



85.0952, 0.2703, 0.3515



85.0952, 0.2493, 0.3156

Triad

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



85.0952, 0.2703, 0.3515



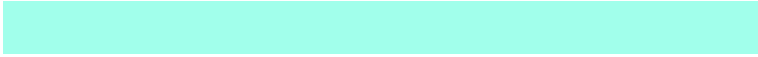
85.0952, 0.2828, 0.2702



85.0952, 0.3859, 0.3657

Complementary

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



85.0952, 0.2703, 0.3515



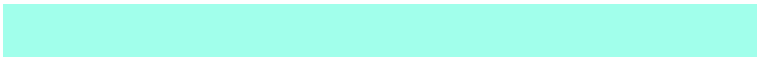
50.0520, 0.3836, 0.3082

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.



85.0952, 0.3804, 0.3362



85.0952, 0.2703, 0.3515



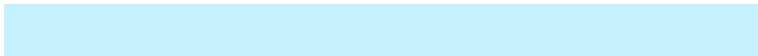
85.0952, 0.3190, 0.2832

Square

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



85.0952, 0.2703, 0.3515



85.0952, 0.2562, 0.2709



85.0952, 0.3553, 0.3067



85.0952, 0.3707, 0.3881

Rectangle

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



85.0952, 0.2703, 0.3515



85.0952, 0.2441, 0.2949



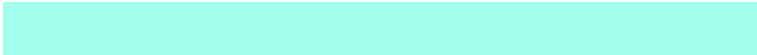
85.0952, 0.3553, 0.3067



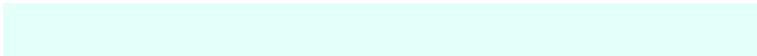
85.0952, 0.3865, 0.3563

Sweetspot

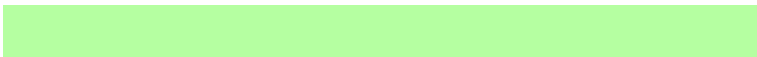
The Sweet Spot groups the original color and five complimentary colors.



85.0850, 0.2703, 0.3515



94.6843, 0.2990, 0.3350



83.9498, 0.3195, 0.4374



20.1374, 0.2974, 0.3357



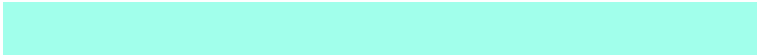
0.0000, 0.0000, 0.0000



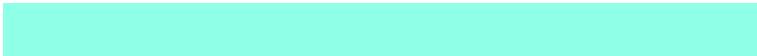
21.4041, 0.3127, 0.3290

Same Dimension

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



85.0850, 0.2703, 0.3515



83.1187, 0.2638, 0.3566



70.4627, 0.2566, 0.2985



20.4114, 0.3008, 0.3341



39.5909, 0.2441, 0.3988



3.8706, 0.2416, 0.3898

Inverse Universe

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



50.0520, 0.3836, 0.3082



43.6228, 0.4044, 0.3043



59.6129, 0.3928, 0.3572



18.0503, 0.3261, 0.3240



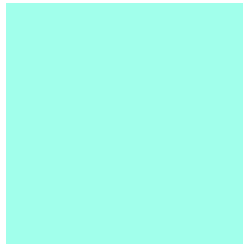
11.2667, 0.6045, 0.3104



1.1122, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 85.0952, 0.2703, 0.3515 looks on a white background.

Color Contrast Check

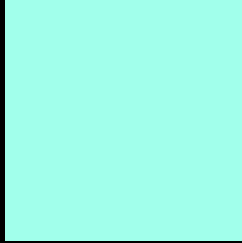
Large Text (above 18pt) WCAG AA × Fail

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 85.0952, 0.2703, 0.3515 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

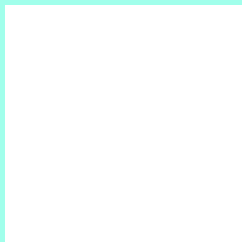
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0952, 0.2703, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 85.0952, 0.2703, 0.3515.

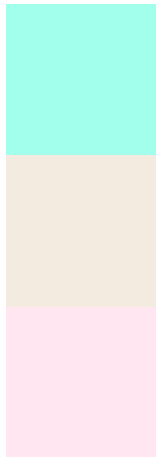


This preview shows how white text looks on a background with the Yxy color 85.0952, 0.2703, 0.3515.

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

85.0952, 0.2703, 0.3515

Protanopia

83.8532, 0.3251, 0.3402

Deuteranopia

84.1449, 0.3235, 0.3192



Tritanopia

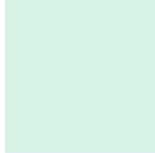
84.7587, 0.2820, 0.3174

Trichromacy



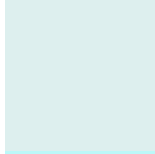
Original Color

85.0952, 0.2703, 0.3515



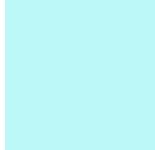
Protanomaly

83.2518, 0.3024, 0.3439



Deuteranomaly

83.2782, 0.3016, 0.3300



Tritanomaly

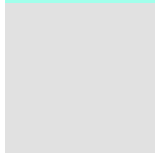
84.6035, 0.2770, 0.3289

Monochromacy



Original Color

85.0952, 0.2703, 0.3515



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2046, 0.2948, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0952, 0.2703, 0.3515 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(161, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 235)  
}
```

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(161, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 85.0952, 0.2703, 0.3515 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(161, 255, 235) }
```

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

```
.border{ border-color:rgb(161, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0952, 0.2703, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 235) }
```

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

```
.background{ background-color: rgb(161,  
255, 235) }
```

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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