

Converting Colors

$Yxy(85.5352, 0.2787, 0.3567)$

Have a look what the booklet for
Yxy(85.5352, 0.2787, 0.3567)
contains.

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Color

Yxy(85.3114, 0.2787, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	ACFEE5
RGB	172, 254, 229
RGB Percent	67%, 100%, 90%
CMY	0.3253, 0.0039, 0.1021
CMYK	0.32, 0.00, 0.10, 0.00
HSL	162°, 98%, 84%
HSV	162°, 32%, 100%
XYZ	66.6002, 85.3114, 87.0559
YIQ	226.6320, -40.8470, -25.1590

Conversions

Conversions Part 2

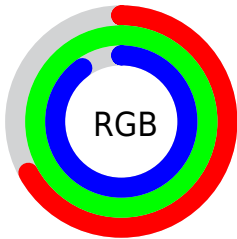
Format	Color
RYB	172, 220, 254
Decimal	11337445
CIELab	94.02, -30.11, 4.06
CIELCh	94, 30.382, 172.326
Yxy	85.3114, 0.2787, 0.3570
Android (android.graphics.Color)	4289527525 (0xFFACFEE5)
YUV	226.6320, 1.1674, -47.9123
Hunter-Lab	92.3642, -32.9278, 8.7724

Details

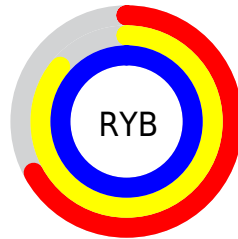
The Yxy color **85.3114, 0.2787, 0.3570** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.6281, 0.3645, 0.3030**, and the grayscale version is **76.5551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **46.7704, 0.2710, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **82.2856, 0.2700, 0.3673**, and if you desaturate by 10%, it is **88.9128, 0.2885, 0.3474**.

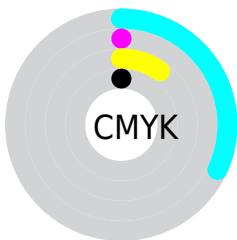
Distribution



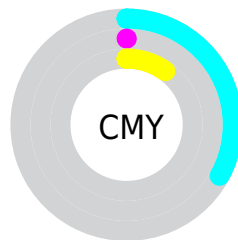
- Red (67%)
- Green (100%)
- Blue (90%)



- Red (67%)
- Yellow (86%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3114, 0.2787, 0.3570 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 85.3114, 0.2787, 0.3570 by changing the saturation by 10% instead.

 85.3114, 0.2787,
0.3570

 85.3114, 0.2787,
0.3570


512.6579, 0.2941,
0.3442

 64.0987, 0.2753,
0.3599

 140.8082, 0.2840,
0.3526

 46.7306, 0.2711,
0.3634


175.8610, 0.2860,
0.3509

 32.8228, 0.2659,
0.3679


216.2961, 0.2878,
0.3494

 21.9907, 0.2591,
0.3737

262.4977, 0.2894,
0.3481

 13.8501, 0.2501,
0.3815

314.8503, 0.2908,
0.3469

 8.0165, 0.2376,
0.3925

373.7383, 0.2920,

 4.1055, 0.2189,

0.3459

0.4094

439.5460, 0.2931,
0.3450

1.7327, 0.1873,
0.4387

0.4447, 0.0000,
0.6892

85.3114, 0.2787,
0.3570

85.3114, 0.2787,
0.3570

82.2856, 0.2700,
0.3673

88.9128, 0.2885,
0.3474

79.7933, 0.2628,
0.3783

93.1085, 0.2991,
0.3386

77.8033, 0.2572,
0.3897

97.9291, 0.3102,
0.3307

76.2764, 0.2536,
0.4014

99.3642, 0.3128,
0.3281

■ 75.1678, 0.2520,
0.4132

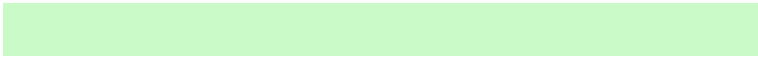
■ 74.4232, 0.2524,
0.4249

■ 74.0346, 0.2539,
0.4339

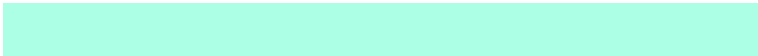
Harmonies

Analogous

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



85.3114, 0.3112, 0.3828



85.3114, 0.2787, 0.3570



85.3114, 0.2560, 0.3235

Triad

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



85.3114, 0.2787, 0.3570



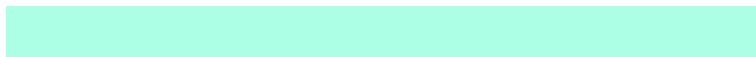
85.3114, 0.2784, 0.2725



85.3114, 0.3821, 0.3582

Complementary

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



85.3114, 0.2787, 0.3570



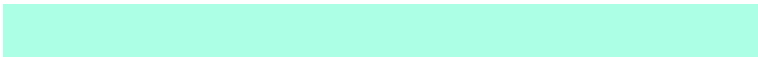
54.6281, 0.3645, 0.3030

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.



85.3114, 0.3726, 0.3299



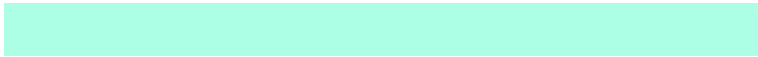
85.3114, 0.2787, 0.3570



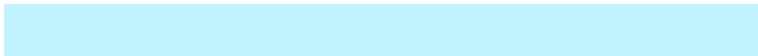
85.3114, 0.3111, 0.2822

Square

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



85.3114, 0.2787, 0.3570



85.3114, 0.2559, 0.2762



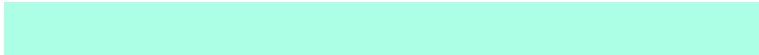
85.3114, 0.3461, 0.3027



85.3114, 0.3717, 0.3812

Rectangle

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



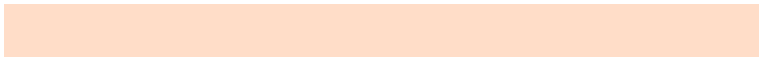
85.3114, 0.2787, 0.3570



85.3114, 0.2488, 0.3028



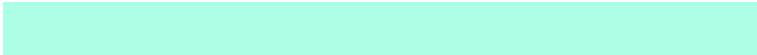
85.3114, 0.3461, 0.3027



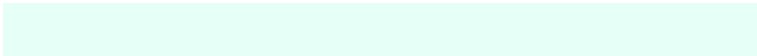
85.3114, 0.3811, 0.3490

Sweetspot

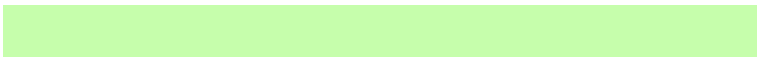
The Sweet Spot groups the original color and five complimentary colors.



85.3149, 0.2787, 0.3570



94.9887, 0.3015, 0.3368



85.8699, 0.3241, 0.4205



20.1918, 0.3000, 0.3379



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

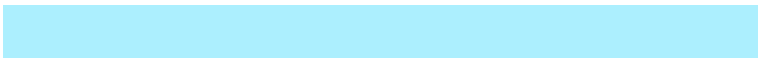
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3149, 0.2787, 0.3570



83.9584, 0.2727, 0.3639



77.6502, 0.2645, 0.3122



20.3814, 0.3021, 0.3364



39.0592, 0.2533, 0.4320



3.8226, 0.2496, 0.4187

Inverse Universe

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



54.6281, 0.3645, 0.3030



48.4285, 0.3802, 0.2974



59.6216, 0.3826, 0.3450



18.0784, 0.3246, 0.3218



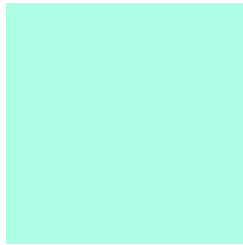
11.4187, 0.5749, 0.2941



1.1303, 0.5429, 0.2764

Previews

White Background



This preview shows how the Yxy color 85.3114, 0.2787, 0.3570 looks on a white background.

Color Contrast Check

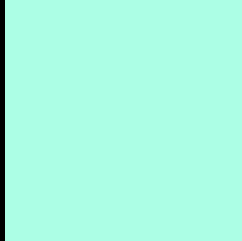
Large Text (above 18pt) WCAG AA × Fail

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 85.3114, 0.2787, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

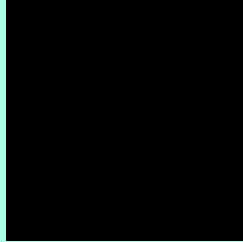
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

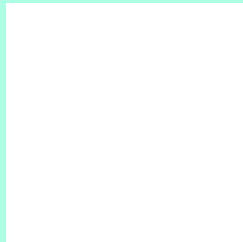
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3114, 0.2787, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 85.3114, 0.2787, 0.3570.

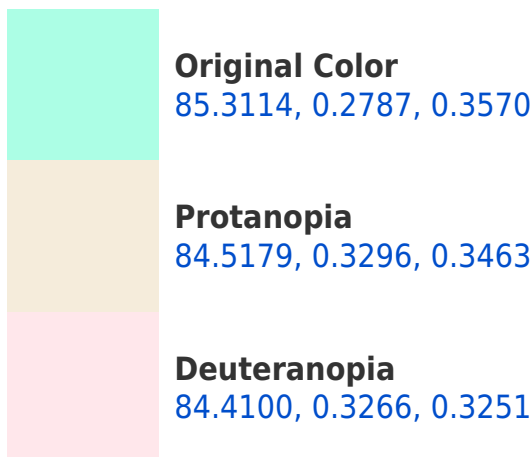


This preview shows how white text looks on a background with the Yxy color 85.3114, 0.2787, 0.3570.

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

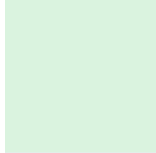
84.7311, 0.2842, 0.3164

Trichromacy



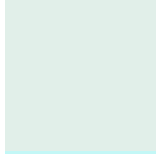
Original Color

85.3114, 0.2787, 0.3570



Protanomaly

84.3343, 0.3085, 0.3502



Deuteranomaly

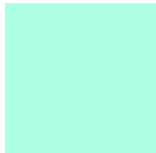
83.6237, 0.3072, 0.3352



Tritanomaly

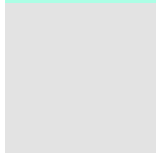
84.7775, 0.2818, 0.3300

Monochromacy



Original Color

85.3114, 0.2787, 0.3570



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4352, 0.2986, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3114, 0.2787, 0.3570 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(172, 254, 229)` looks like.

```
.text, #text, p{  
    color:rgb(172, 254, 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(172, 254, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 254, 229) }
```

Border

The CSS property to change the border of an element to Yxy 85.3114, 0.2787, 0.3570 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(172, 254, 229) }
```

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

```
.border{ border-color:rgb(172, 254, 229) }
```

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

Here you see how a box with a 4 pixel rgb(172, 254, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 254, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 254, 229);  
box-shadow:4px 4px 4px 4px rgb(172, 254,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3114, 0.2787, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 254, 229) }
```

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

```
.background{ background-color: rgb(172,  
254, 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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