

Converting Colors

$Yxy(88.5907, 0.2788, 0.3688)$

Have a look what the booklet for
Yxy(88.5907, 0.2788, 0.3688)
contains.

Yxy(85.1717, 0.2782, 0.3629)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.1717, 0.2782, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFE1
RGB	167, 255, 225
RGB Percent	65%, 100%, 88%
CMY	0.3449, 0.0000, 0.1176
CMYK	0.34, 0.00, 0.12, 0.00
HSL	160°, 100%, 83%
HSV	160°, 34%, 100%
XYZ	65.2928, 85.1717, 84.2329
YIQ	225.2680, -42.8180, -27.9860

Conversions

Conversions Part 2

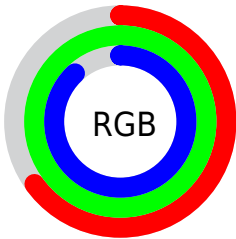
Format	Color
RYB	167, 220, 255
Decimal	11010017
CIELab	93.96, -32.78, 5.98
CIELCh	94, 33.318, 169.657
Yxy	85.1717, 0.2782, 0.3629
Android (android.graphics.Color)	4289200097 (0xFFA7FFE1)
YUV	225.2680, -0.1321, -51.1010
Hunter-Lab	92.2885, -35.2187, 10.4872

Details

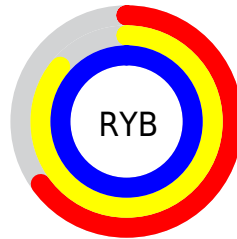
The Yxy color **85.1717, 0.2782, 0.3629** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.9447, 0.3666, 0.2979**, and the grayscale version is **75.5298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **46.6700, 0.2701, 0.3706** is the 20% darker color. If you saturate the color by 10%, you get **82.2029, 0.2702, 0.3747**, and if you desaturate by 10%, it is **88.7192, 0.2874, 0.3519**.

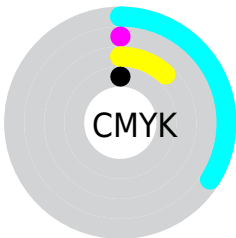
Distribution



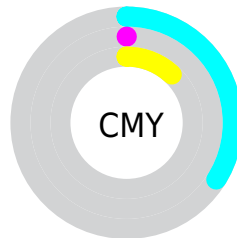
- Red (65%)
- Green (100%)
- Blue (88%)



- Red (65%)
- Yellow (86%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1717, 0.2782, 0.3629 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 85.1717, 0.2782, 0.3629 by changing the saturation by 10% instead.


 85.1717, 0.2782,
0.3629

 85.1717, 0.2782,
0.3629


512.1960, 0.2939,
0.3473

 63.9833, 0.2747,
0.3664


 140.6130, 0.2836,
0.3575

 46.6371, 0.2704,
0.3708


175.6347, 0.2857,
0.3554

 32.7489, 0.2650,
0.3763


216.0363, 0.2875,
0.3536

 21.9341, 0.2581,
0.3835

262.2021, 0.2891,
0.3520

 13.8085, 0.2488,
0.3932

314.5166, 0.2905,
0.3506

 7.9876, 0.2358,
0.4071

373.3642, 0.2917,

 4.0870, 0.2162,

0.3494

0.4285

439.1292, 0.2929,
0.3483

■ 1.7224, 0.1813,
0.4671

■ 0.4381, 0.0000,
0.8817

■ 85.1717, 0.2782,
0.3629

■ 85.1717, 0.2782,
0.3629

■ 82.2029, 0.2702,
0.3747

■ 88.7192, 0.2874,
0.3519

■ 79.7696, 0.2636,
0.3872

■ 92.8650, 0.2974,
0.3419

■ 77.8393, 0.2587,
0.4002

■ 97.6405, 0.3079,
0.3328

■ 76.3714, 0.2558,
0.4134

99.9989, 0.3127,
0.3290

■ 75.3186, 0.2550,
0.4268

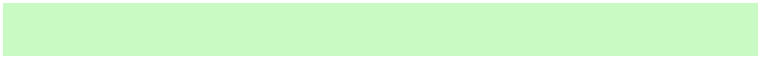
■ 74.6230, 0.2562,
0.4399

■ 74.3475, 0.2575,
0.4470

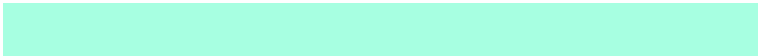
Harmonies

Analogous

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



85.1717, 0.3143, 0.3901



85.1717, 0.2782, 0.3629



85.1717, 0.2523, 0.3260

Triad

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



85.1717, 0.2782, 0.3629



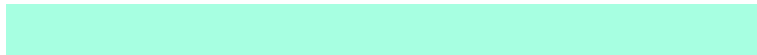
85.1717, 0.2724, 0.2671



85.1717, 0.3888, 0.3580

Complementary

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



85.1717, 0.2782, 0.3629



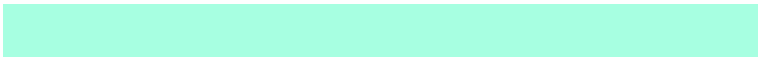
52.9447, 0.3666, 0.2979

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.



85.1717, 0.3766, 0.3269



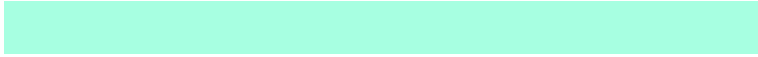
85.1717, 0.2782, 0.3629



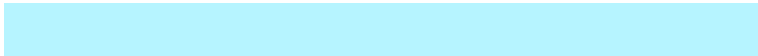
85.1717, 0.3074, 0.2766

Square

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



85.1717, 0.2782, 0.3629



85.1717, 0.2492, 0.2723



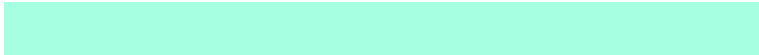
85.1717, 0.3460, 0.2979



85.1717, 0.3791, 0.3842

Rectangle

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



85.1717, 0.2782, 0.3629



85.1717, 0.2436, 0.3028



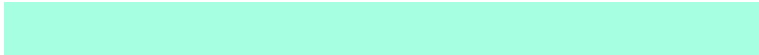
85.1717, 0.3460, 0.2979



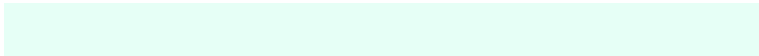
85.1717, 0.3872, 0.3478

Sweetspot

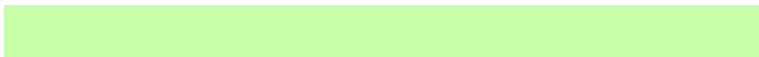
The Sweet Spot groups the original color and five complimentary colors.



85.1752, 0.2782, 0.3629



94.9329, 0.3020, 0.3377



86.2925, 0.3266, 0.4271



20.1783, 0.3006, 0.3390



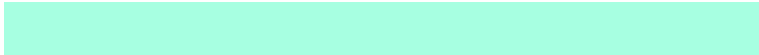
0.0000, 0.0000, 0.0000



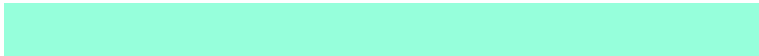
21.4041, 0.3127, 0.3290

Same Dimension

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



85.1752, 0.2782, 0.3629



83.1795, 0.2728, 0.3705



78.8277, 0.2618, 0.3142



20.3700, 0.3026, 0.3372



38.8778, 0.2569, 0.4448



3.8059, 0.2528, 0.4300

Inverse Universe

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



52.9447, 0.3666, 0.2979



46.7662, 0.3814, 0.2920



56.7882, 0.3902, 0.3431



18.0893, 0.3240, 0.3209



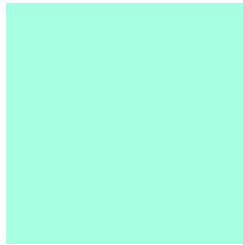
11.4930, 0.5618, 0.2868



1.1386, 0.5301, 0.2694

Previews

White Background



This preview shows how the Yxy color 85.1717, 0.2782, 0.3629 looks on a white background.

Color Contrast Check

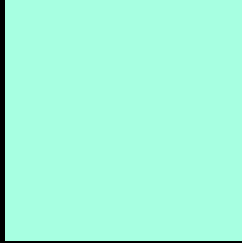
Large Text (above 18pt) WCAG AA × Fail

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 85.1717, 0.2782, 0.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

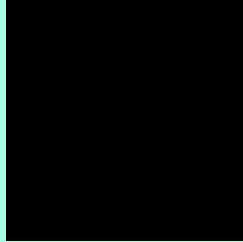
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1717, 0.2782, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 85.1717, 0.2782, 0.3629.

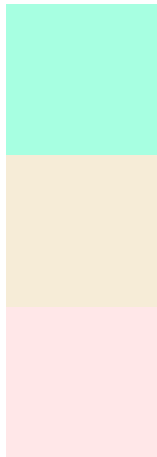


This preview shows how white text looks on a background with the Yxy color 85.1717, 0.2782, 0.3629.

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

85.1717, 0.2782, 0.3629

Protanopia

84.4900, 0.3329, 0.3504

Deuteranopia

84.2380, 0.3286, 0.3281



Tritanopia

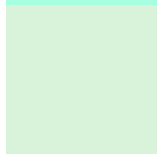
84.4430, 0.2831, 0.3164

Trichromacy



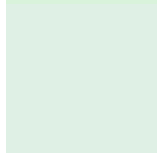
Original Color

85.1717, 0.2782, 0.3629



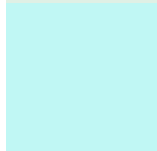
Protanomaly

83.9674, 0.3102, 0.3546



Deuteranomaly

83.6653, 0.3083, 0.3405



Tritanomaly

84.2596, 0.2812, 0.3321

Monochromacy



Original Color

85.1717, 0.2782, 0.3629



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2645, 0.2984, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1717, 0.2782, 0.3629 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(167, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 225)  
}
```

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(167, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 225) }
```

Border

The CSS property to change the border of an element to Yxy 85.1717, 0.2782, 0.3629 is called "border". The border property can be set on classes, ids or directly on the HTML element.

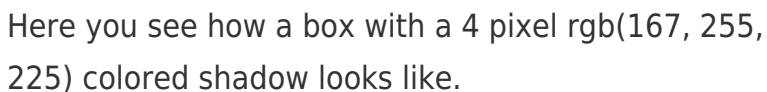
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 255, 225) }
```

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

```
.border{ border-color:rgb(167, 255, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 255, 225); box-shadow:4px 4px 4px 4px rgb(167, 255, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1717, 0.2782, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 225) }
```

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

```
.background{ background-color: rgb(167,  
255, 225) }
```

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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