

Converting Colors

$Yxy(87.1003, 0.2804, 0.3525)$

Have a look what the booklet for
Yxy(87.1003, 0.2804, 0.3525)
contains.

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Color

Yxy(87.1638, 0.2804, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	B4FFEA
RGB	180, 255, 234
RGB Percent	71%, 100%, 92%
CMY	0.2942, 0.0000, 0.0822
CMYK	0.29, 0.00, 0.08, 0.00
HSL	163°, 100%, 85%
HSV	163°, 29%, 100%
XYZ	69.4339, 87.1638, 91.0267
YIQ	230.1810, -37.9590, -22.4310

Conversions

Conversions Part 2

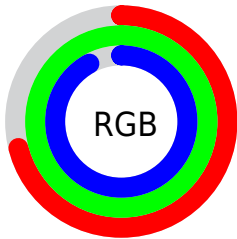
Format	Color
RYB	180, 224, 255
Decimal	11861994
CIELab	94.81, -27.31, 2.64
CIELCh	95, 27.434, 174.478
Yxy	87.1638, 0.2804, 0.3520
Android (android.graphics.Color)	4290052074 (0xFFB4FFEA)
YUV	230.1810, 1.8828, -44.0087
Hunter-Lab	93.3616, -30.6305, 7.5458

Details

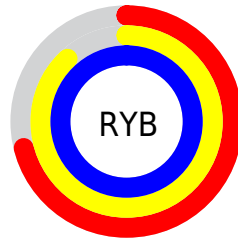
The Yxy color **87.1638, 0.2804, 0.3520** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.1120, 0.3602, 0.3074**, and the grayscale version is **79.2770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **47.9625, 0.2736, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **83.9783, 0.2711, 0.3612**, and if you desaturate by 10%, it is **90.9287, 0.2907, 0.3435**.

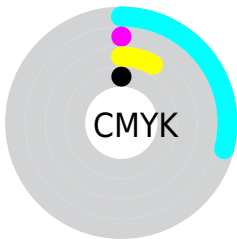
Distribution



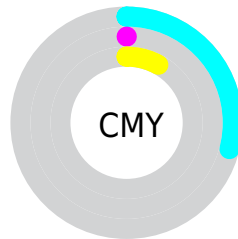
- Red (71%)
- Green (100%)
- Blue (92%)



- Red (71%)
- Yellow (88%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1638, 0.2804, 0.3520 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 87.1638, 0.2804, 0.3520 by changing the saturation by 10% instead.

 87.1638, 0.2804,
0.3520

 87.1638, 0.2804,
0.3520


518.7610, 0.2949,
0.3416

 65.6308, 0.2772,
0.3543

 143.3924, 0.2853,
0.3484

 47.9727, 0.2733,
0.3572

178.8568, 0.2873,
0.3470

 33.8053, 0.2684,
0.3607


219.7338, 0.2890,
0.3458

 22.7441, 0.2621,
0.3653

266.4077, 0.2905,
0.3448

 14.4046, 0.2538,
0.3715

319.2630, 0.2918,
0.3438

 8.4026, 0.2423,
0.3801

378.6840, 0.2929,

 4.3536, 0.2252,

0.3430

445.0552, 0.2940,
0.3423

0.3931

1.8733, 0.1976,
0.4148

0.5322, 0.0000,
0.5740

87.1638, 0.2804,
0.3520

87.1638, 0.2804,
0.3520

83.9783, 0.2711,
0.3612

90.9287, 0.2907,
0.3435

81.3412, 0.2632,
0.3710

95.3017, 0.3018,
0.3357

79.2183, 0.2569,
0.3813

100.0000, 0.3127,
0.3290

77.5717, 0.2525,
0.3918

■ 76.3580, 0.2501,
0.4025

■ 75.5256, 0.2497,
0.4132

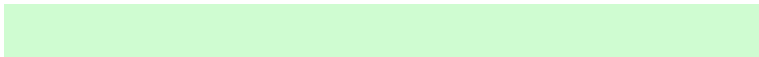
■ 74.9956, 0.2511,
0.4237

■ 74.9685, 0.2512,
0.4243

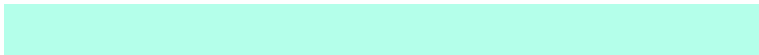
Harmonies

Analogous

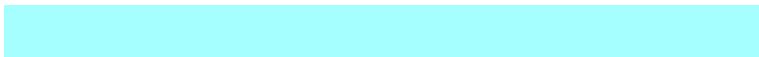
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1638, 0.3093, 0.3757



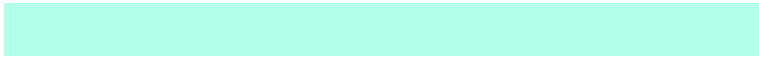
87.1638, 0.2804, 0.3520



87.1638, 0.2606, 0.3222

Triad

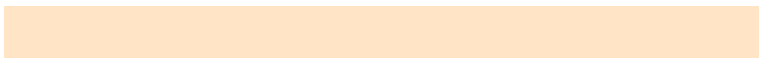
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1638, 0.2804, 0.3520



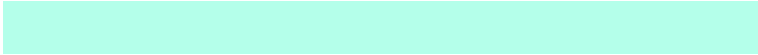
87.1638, 0.2838, 0.2782



87.1638, 0.3747, 0.3573

Complementary

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



87.1638, 0.2804, 0.3520



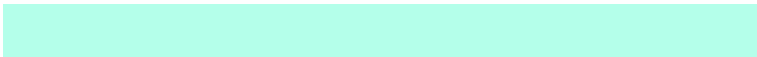
58.1120, 0.3602, 0.3074

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.



87.1638, 0.3675, 0.3319



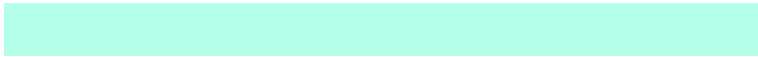
87.1638, 0.2804, 0.3520



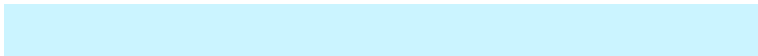
87.1638, 0.3137, 0.2878

Square

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



87.1638, 0.2804, 0.3520



87.1638, 0.2626, 0.2809



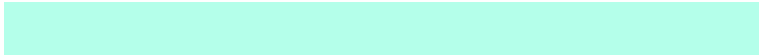
87.1638, 0.3447, 0.3070



87.1638, 0.3644, 0.3771

Rectangle

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



87.1638, 0.2804, 0.3520



87.1638, 0.2548, 0.3040



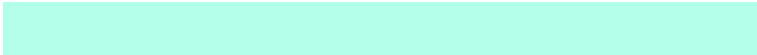
87.1638, 0.3447, 0.3070



87.1638, 0.3743, 0.3491

Sweetspot

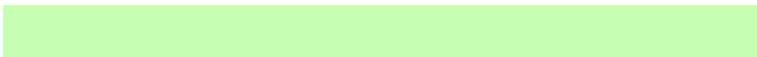
The Sweet Spot groups the original color and five complimentary colors.



87.1638, 0.2804, 0.3520



95.4978, 0.3023, 0.3354



87.2655, 0.3217, 0.4119



20.2951, 0.3007, 0.3364



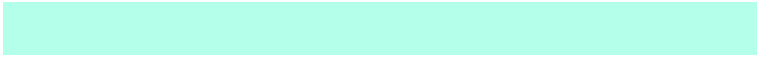
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

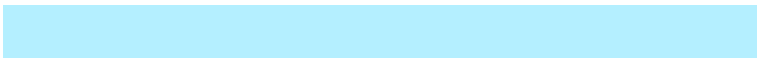
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1638, 0.2804, 0.3520



85.3159, 0.2751, 0.3571



78.5066, 0.2681, 0.3111



20.3897, 0.3017, 0.3357



39.1994, 0.2507, 0.4226



3.8353, 0.2474, 0.4105

Inverse Universe

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



58.1120, 0.3602, 0.3074



52.1901, 0.3728, 0.3031



64.1426, 0.3738, 0.3461



18.0705, 0.3250, 0.3224



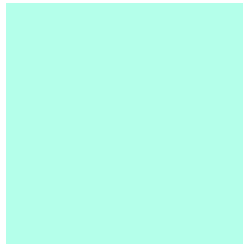
11.3702, 0.5839, 0.2990



1.1247, 0.5520, 0.2815

Previews

White Background



This preview shows how the Yxy color 87.1638, 0.2804, 0.3520 looks on a white background.

Color Contrast Check

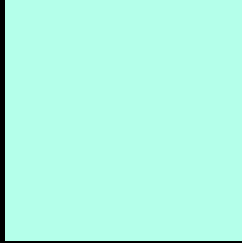
Large Text (above 18pt) WCAG AA × Fail

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 87.1638, 0.2804, 0.3520 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 87.1638, 0.2804, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 87.1638, 0.2804, 0.3520.

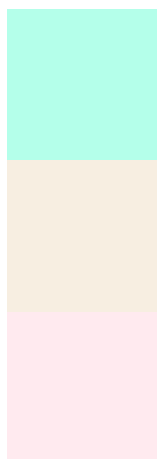


This preview shows how white text looks on a background with the Yxy color 87.1638, 0.2804, 0.3520.

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

87.1638, 0.2804, 0.3520

Protanopia

86.3595, 0.3269, 0.3421

Deuteranopia

86.3376, 0.3238, 0.3241



Tritanopia

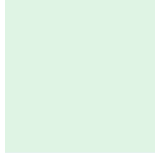
86.9719, 0.2884, 0.3186

Trichromacy



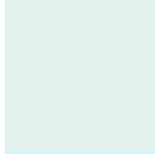
Original Color

87.1638, 0.2804, 0.3520



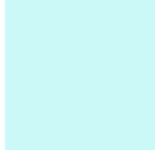
Protanomaly

85.9908, 0.3087, 0.3457



Deuteranomaly

86.1127, 0.3067, 0.3341



Tritanomaly

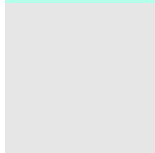
87.0233, 0.2854, 0.3310

Monochromacy



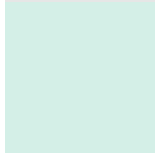
Original Color

87.1638, 0.2804, 0.3520



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4996, 0.3000, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1638, 0.2804, 0.3520 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(180, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 234)  
}
```

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(180, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 234) }
```

Border

The CSS property to change the border of an element to Yxy 87.1638, 0.2804, 0.3520 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(180, 255, 234) }
```

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

```
.border{ border-color:rgb(180, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1638, 0.2804, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 234) }
```

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

```
.background{ background-color: rgb(180,  
255, 234) }
```

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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