

Converting Colors

$Yxy(86.7195, 0.2794, 0.3532)$

Have a look what the booklet for
Yxy(86.7195, 0.2794, 0.3532)
contains.

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Color

Yxy(86.7503, 0.2793, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFE9
RGB	177, 255, 233
RGB Percent	69%, 100%, 91%
CMY	0.3063, 0.0000, 0.0863
CMYK	0.31, 0.00, 0.09, 0.00
HSL	163°, 100%, 85%
HSV	163°, 31%, 100%
XYZ	68.5801, 86.7503, 90.2125
YIQ	229.1700, -39.4260, -23.3780

Conversions

Conversions Part 2

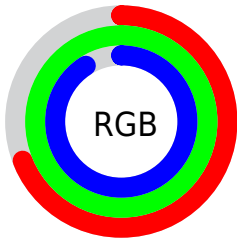
Format	Color
RYB	177, 222, 255
Decimal	11665385
CIELab	94.63, -28.40, 2.90
CIELCh	95, 28.551, 174.169
Yxy	86.7503, 0.2793, 0.3533
Android (android.graphics.Color)	4289855465 (0xFFB1FFE9)
YUV	229.1700, 1.8882, -45.7531
Hunter-Lab	93.1398, -31.5628, 7.7714

Details

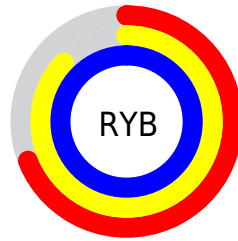
The Yxy color **86.7503, 0.2793, 0.3533** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.7823, 0.3626, 0.3062**, and the grayscale version is **78.4682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **47.7001, 0.2724, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **83.6176, 0.2702, 0.3626**, and if you desaturate by 10%, it is **90.4336, 0.2895, 0.3446**.

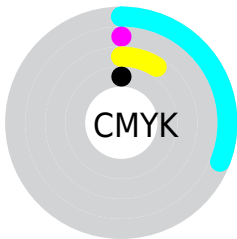
Distribution



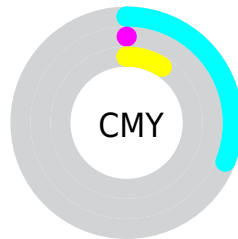
- Red (69%)
- Green (100%)
- Blue (91%)



- Red (69%)
- Yellow (87%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7503, 0.2793, 0.3533 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 86.7503, 0.2793, 0.3533 by changing the saturation by 10% instead.


 86.7503, 0.2793,
0.3533

 86.7503, 0.2793,
0.3533


517.4020, 0.2943,
0.3423

 65.2886, 0.2760,
0.3558


 142.8160, 0.2844,
0.3495

 47.6951, 0.2719,
0.3588


178.1889, 0.2864,
0.3480

 33.5855, 0.2668,
0.3626


218.9675, 0.2882,
0.3468

 22.5754, 0.2603,
0.3675

265.5364, 0.2897,
0.3456

 14.2803, 0.2517,
0.3740

318.2799, 0.2911,
0.3447

 8.3159, 0.2397,
0.3832

377.5824, 0.2923,

 4.2977, 0.2220,

0.3438

0.3971

443.8283, 0.2934,
0.3430

■ 1.8415, 0.1932,
0.4204

■ 0.5128, 0.0000,
0.5905

■ 86.7503, 0.2793,
0.3533

■ 86.7503, 0.2793,
0.3533

■ 83.6176, 0.2702,
0.3626

■ 90.4336, 0.2895,
0.3446

■ 81.0422, 0.2624,
0.3726


■ 94.7348, 0.3005,
0.3366

■ 78.9769, 0.2564,
0.3830


■ 99.6680, 0.3120,
0.3294

■ 77.3832, 0.2522,
0.3937

■ 100.0000, 0.3127,
0.3290

 76.2169, 0.2501,
0.4045

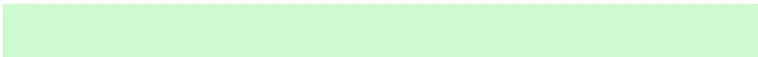
 75.4252, 0.2500,
0.4152

 74.9449, 0.2514,
0.4252

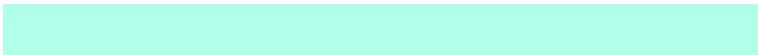
Harmonies

Analogous

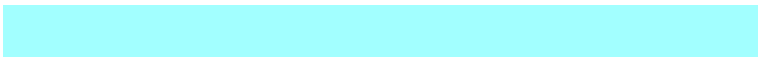
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7503, 0.3094, 0.3780



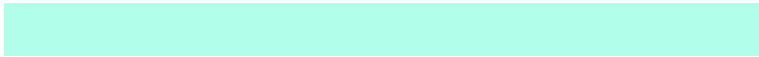
86.7503, 0.2793, 0.3533



86.7503, 0.2587, 0.3221

Triad

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



86.7503, 0.2793, 0.3533



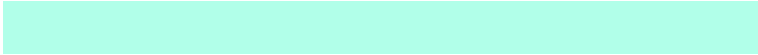
86.7503, 0.2823, 0.2762



86.7503, 0.3774, 0.3581

Complementary

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



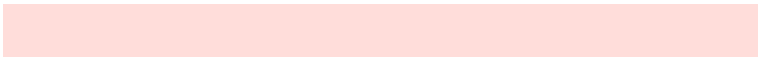
86.7503, 0.2793, 0.3533



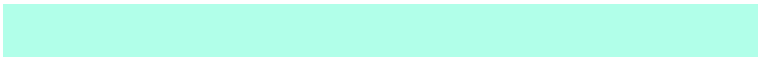
56.7823, 0.3626, 0.3062

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.



86.7503, 0.3697, 0.3316



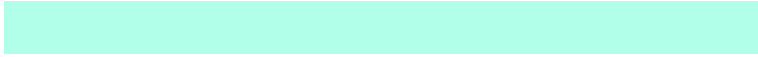
86.7503, 0.2793, 0.3533



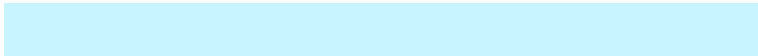
86.7503, 0.3134, 0.2860

Square

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



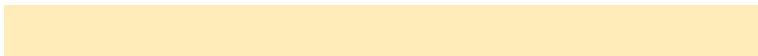
86.7503, 0.2793, 0.3533



86.7503, 0.2604, 0.2790



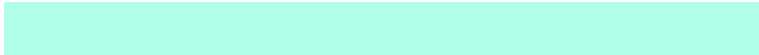
86.7503, 0.3458, 0.3058



86.7503, 0.3668, 0.3789

Rectangle

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



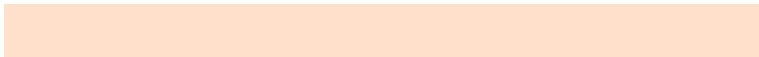
86.7503, 0.2793, 0.3533



86.7503, 0.2525, 0.3031



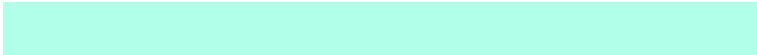
86.7503, 0.3458, 0.3058



86.7503, 0.3769, 0.3496

Sweetspot

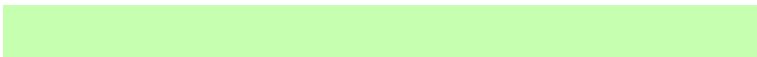
The Sweet Spot groups the original color and five complimentary colors.



86.7376, 0.2793, 0.3533



95.4946, 0.3023, 0.3354



86.8358, 0.3220, 0.4158



20.2943, 0.3007, 0.3365



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

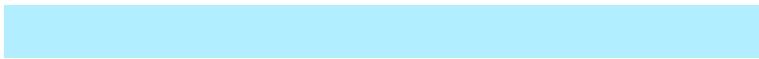
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7376, 0.2793, 0.3533



84.6851, 0.2733, 0.3592



77.7491, 0.2664, 0.3103



20.3890, 0.3018, 0.3358



39.1872, 0.2509, 0.4234



3.8342, 0.2476, 0.4112

Inverse Universe

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



56.7823, 0.3626, 0.3062



50.2256, 0.3775, 0.3013



62.9330, 0.3771, 0.3469



18.0712, 0.3250, 0.3223



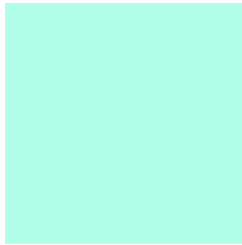
11.3741, 0.5832, 0.2986



1.1252, 0.5512, 0.2810

Previews

White Background



This preview shows how the Yxy color 86.7503, 0.2793, 0.3533 looks on a white background.

Color Contrast Check

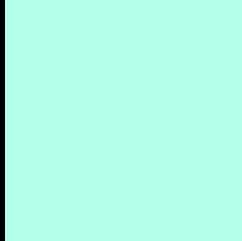
Large Text (above 18pt) WCAG AA × Fail

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 86.7503, 0.2793, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

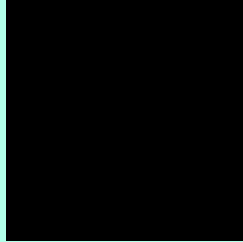
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

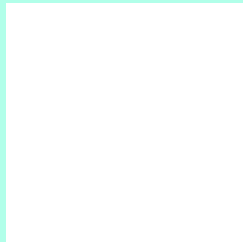
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7503, 0.2793, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 86.7503, 0.2793, 0.3533.

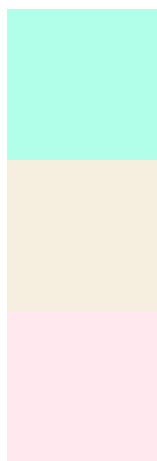


This preview shows how white text looks on a background with the Yxy color 86.7503, 0.2793, 0.3533.

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

86.7503, 0.2793, 0.3533

Protanopia

86.0696, 0.3275, 0.3442

Deuteranopia

85.7109, 0.3245, 0.3241



Tritanopia

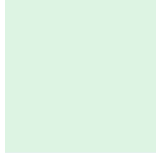
86.0675, 0.2872, 0.3176

Trichromacy



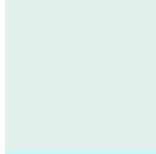
Original Color

86.7503, 0.2793, 0.3533



Protanomaly

85.6196, 0.3080, 0.3469



Deuteranomaly

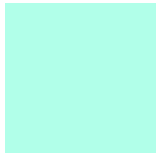
85.2976, 0.3066, 0.3342



Tritanomaly

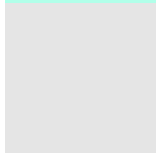
86.1296, 0.2842, 0.3300

Monochromacy



Original Color

86.7503, 0.2793, 0.3533



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5639, 0.2993, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7503, 0.2793, 0.3533 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(177, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 86.7503, 0.2793, 0.3533 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(177, 255, 233) }
```

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

```
.border{ border-color:rgb(177, 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(177, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7503, 0.2793, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 233) }
```

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

```
.background{ background-color: rgb(177,  
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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