

Converting Colors

Yxy(87.2398, 0.2895, 0.3495)

Have a look what the booklet for
Yxy(87.2398, 0.2895, 0.3495)
contains.

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Color

Yxy(87.2398, 0.2895, 0.3495)

Conversions

Conversions Part 1

Format	Color
Hex	C4FCE9
RGB	196, 252, 233
RGB Percent	77%, 99%, 91%
CMY	0.2317, 0.0117, 0.0863
CMYK	0.22, 0.00, 0.08, 0.01
HSL	160°, 90%, 88%
HSV	160°, 22%, 99%
XYZ	72.2630, 87.2398, 90.1104
YIQ	233.0900, -27.2770, -17.7810

Conversions

Conversions Part 2

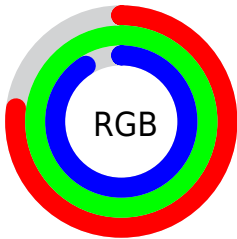
Format	Color
RYB	196, 230, 252
Decimal	12909801
CIELab	94.84, -21.41, 3.33
CIElCh	95, 21.668, 171.161
Yxy	87.2398, 0.2895, 0.3495
Android (android.graphics.Color)	4291099881 (0xFFC4FCE9)
YUV	233.0900, -0.0444, -32.5279
Hunter-Lab	93.4022, -25.3529, 8.1812

Details

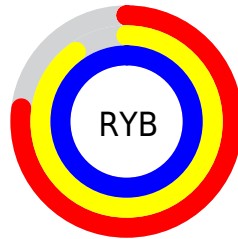
The Yxy color **87.2398, 0.2895, 0.3495** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0412, 0.3432, 0.3095**, and the grayscale version is **81.5609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **47.8673, 0.2845, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **83.6680, 0.2801, 0.3602**, and if you desaturate by 10%, it is **91.4100, 0.2997, 0.3397**.

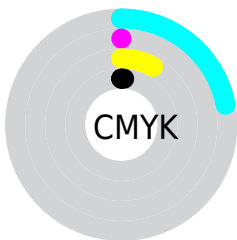
Distribution



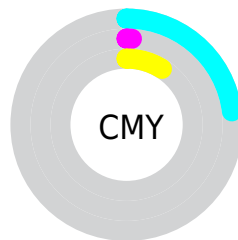
- Red (77%)
- Green (99%)
- Blue (91%)



- Red (77%)
- Yellow (90%)
- Blue (99%)



- Cyan (22%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)





- Cyan (23%)
- Magenta (1%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2398, 0.2895, 0.3495 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 87.2398, 0.2895, 0.3495 by changing the saturation by 10% instead.

 87.2398, 0.2895,
0.3495

 87.2398, 0.2895,
0.3495

519.0105, 0.3000,
0.3402

 65.6937, 0.2872,
0.3516


143.4983, 0.2931,
0.3463

 48.0238, 0.2843,
0.3541


178.9795, 0.2945,
0.3451

 33.8457, 0.2808,
0.3573


219.8745, 0.2957,
0.3440

 22.7751, 0.2763,
0.3615

266.5677, 0.2968,
0.3430

 14.4275, 0.2702,
0.3670

319.4435, 0.2977,
0.3422

 8.4186, 0.2617,
0.3749


378.8864, 0.2985,


 4.3640, 0.2491,


0.3415

0.3867


445.2805, 0.2993,
0.3408


 1.8792, 0.2283,
0.4068


 0.5358, 0.0000,
0.6045


 87.2398, 0.2895,
0.3495


 87.2398, 0.2895,
0.3495


 83.6680, 0.2801,
0.3602


 91.4100, 0.2997,
0.3397


 80.6552, 0.2718,
0.3717


 96.1946, 0.3103,
0.3309

 78.1737, 0.2648,
0.3840


 98.1179, 0.3128,
0.3262

 76.1894, 0.2595,
0.3968

 74.6640, 0.2562,
0.4100

 73.5532, 0.2549,
0.4232

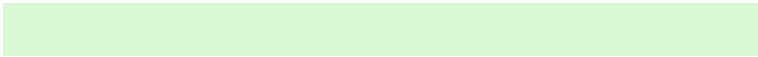
 72.8037, 0.2556,
0.4363

 72.4104, 0.2573,
0.4462

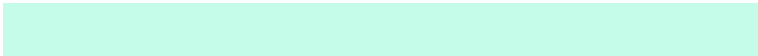
Harmonies

Analogous

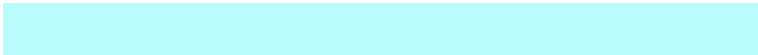
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2398, 0.3130, 0.3668



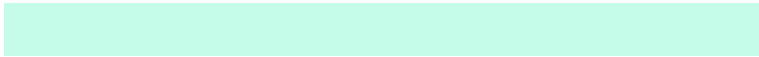
87.2398, 0.2895, 0.3495



87.2398, 0.2726, 0.3265

Triad

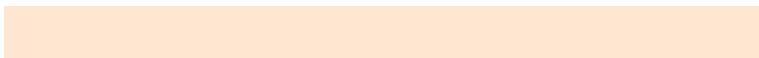
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2398, 0.2895, 0.3495



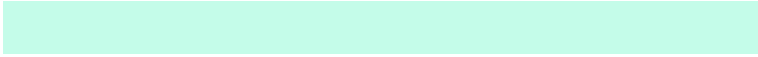
87.2398, 0.2876, 0.2882



87.2398, 0.3616, 0.3498

Complementary

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



87.2398, 0.2895, 0.3495



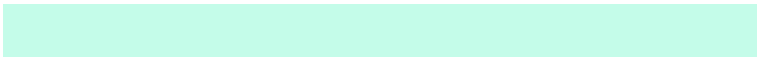
65.0412, 0.3432, 0.3095

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.



87.2398, 0.3544, 0.3293



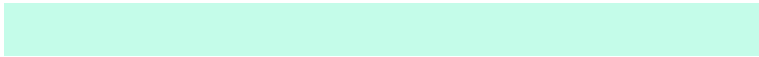
87.2398, 0.2895, 0.3495



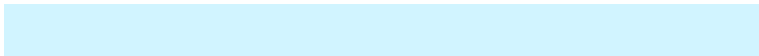
87.2398, 0.3109, 0.2947

Square

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



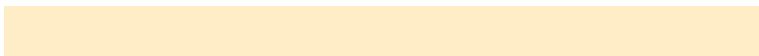
87.2398, 0.2895, 0.3495



87.2398, 0.2715, 0.2917



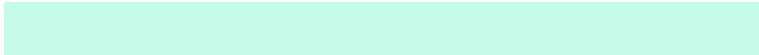
87.2398, 0.3355, 0.3095



87.2398, 0.3551, 0.3659

Rectangle

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



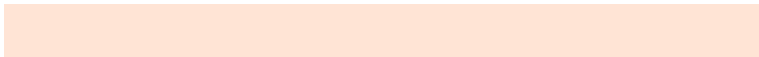
87.2398, 0.2895, 0.3495



87.2398, 0.2670, 0.3118



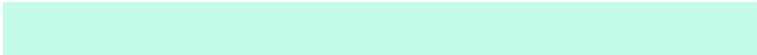
87.2398, 0.3355, 0.3095



87.2398, 0.3607, 0.3432

Sweetspot

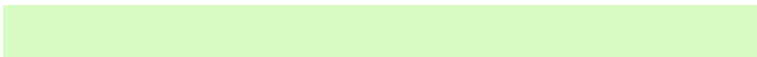
The Sweet Spot groups the original color and five complimentary colors.



87.2434, 0.2895, 0.3495



96.3864, 0.3052, 0.3349



88.1492, 0.3222, 0.3893



20.5672, 0.3046, 0.3355



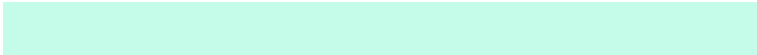
0.0000, 0.0000, 0.0000



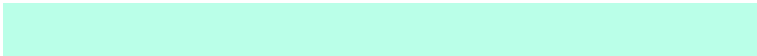
21.4041, 0.3127, 0.3290

Same Dimension

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



87.2434, 0.2895, 0.3495



87.7838, 0.2849, 0.3545



83.2193, 0.2789, 0.3199



19.5026, 0.3026, 0.3372



37.7388, 0.2567, 0.4441



3.5151, 0.2524, 0.4286

Inverse Universe

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



65.0412, 0.3432, 0.3095



61.0697, 0.3517, 0.3050



68.0215, 0.3565, 0.3379



17.3224, 0.3240, 0.3210



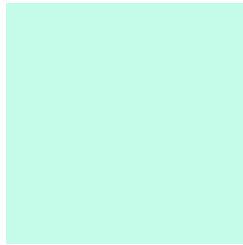
11.1509, 0.5622, 0.2871



1.0517, 0.5289, 0.2687

Previews

White Background



This preview shows how the Yxy color 87.2398, 0.2895, 0.3495 looks on a white background.

Color Contrast Check

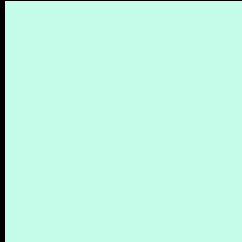
Large Text (above 18pt) WCAG AA × Fail

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 87.2398, 0.2895, 0.3495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

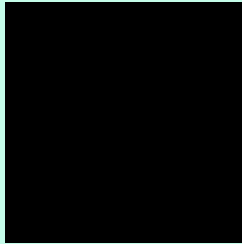
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

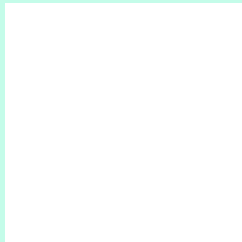
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2398, 0.2895, 0.3495

Background



This preview shows how black text looks on a background with the Yxy color 87.2398, 0.2895, 0.3495.



This preview shows how white text looks on a background with the Yxy color 87.2398, 0.2895, 0.3495.

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

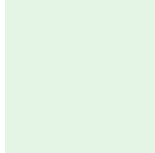
87.1370, 0.2914, 0.3177

Trichromacy



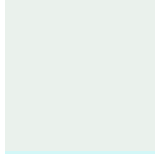
Original Color

87.2398, 0.2895, 0.3495



Protanomaly

86.8525, 0.3113, 0.3445



Deuteranomaly

86.4591, 0.3112, 0.3341



Tritanomaly

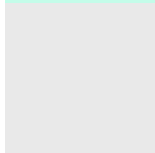
87.0858, 0.2905, 0.3289

Monochromacy



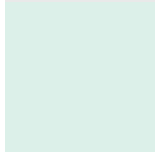
Original Color

87.2398, 0.2895, 0.3495



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.4190, 0.3039, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2398, 0.2895, 0.3495 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(196, 252, 233)` looks like.

```
.text, #text, p{  
    color:rgb(196, 252, 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(196, 252, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 252, 233) }
```

Border

The CSS property to change the border of an element to Yxy 87.2398, 0.2895, 0.3495 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(196, 252, 233) }
```

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

```
.border{ border-color:rgb(196, 252, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 252, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 252, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 252, 233);  
box-shadow:4px 4px 4px 4px rgb(196, 252,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2398, 0.2895, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 252, 233) }
```

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

```
.background{ background-color: rgb(196,  
252, 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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