

Converting Colors

$Yxy(87.7924, 0.2791, 0.3240)$

Have a look what the booklet for
Yxy(87.7924, 0.2791, 0.3240)
contains.

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Color

Yxy(87.5970, 0.2790, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	C6FAFF
RGB	198, 250, 255
RGB Percent	78%, 98%, 100%
CMY	0.2236, 0.0196, 0.0000
CMYK	0.22, 0.02, 0.00, 0.00
HSL	185°, 100%, 89%
HSV	185°, 22%, 100%
XYZ	75.5240, 87.5970, 107.5743
YIQ	235.0220, -32.5970, -9.4690

Conversions

Conversions Part 2

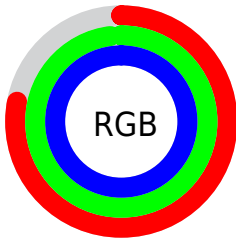
Format	Color
R_{YB}	198, 225, 255
Decimal	13040383
CIE _{Lab}	94.99, -15.30, -7.83
CIE _{LCh}	95, 17.186, 207.110
Yxy	87.5970, 0.2790, 0.3236
Android (android.graphics.Color)	4291230463 (0xFFC6FAFF)
YUV	235.0220, 9.8492, -32.4683
Hunter-Lab	93.5933, -19.7497, -2.6315

Details

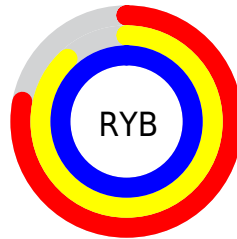
The Yxy color **87.5970, 0.2790, 0.3236** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.0305, 0.3576, 0.3343**, and the grayscale version is **83.0333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0568, 0.2720, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **83.0404, 0.2654, 0.3210**, and if you desaturate by 10%, it is **92.7543, 0.2937, 0.3262**.

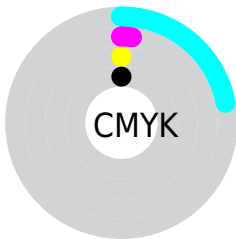
Distribution



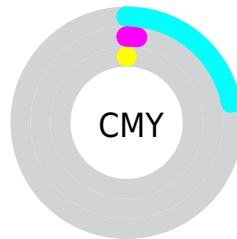
- Red (78%)
- Green (98%)
- Blue (100%)



- Red (78%)
- Yellow (88%)
- Blue (100%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5970, 0.2790, 0.3236 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 87.5970, 0.2790, 0.3236 by changing the saturation by 10% instead.


 87.5970, 0.2790,
0.3236

 87.5970, 0.2790,
0.3236


520.1826, 0.2939,
0.3262

 65.9894, 0.2757,
0.3230


143.9960, 0.2841,
0.3245

 48.2638, 0.2718,
0.3222


179.5561, 0.2861,
0.3249

 34.0358, 0.2669,
0.3212


220.5358, 0.2878,
0.3252

 22.9211, 0.2607,
0.3199

267.3196, 0.2893,
0.3255

 14.5353, 0.2525,
0.3180

320.2917, 0.2907,
0.3257

 8.4939, 0.2413,
0.3153

379.8367, 0.2919,

 4.4126, 0.2252,

0.3259

0.3109

446.3388, 0.2930,
0.3261

1.9069, 0.1999,
0.3029

0.5525, 0.0813,
0.2962

87.5970, 0.2790,
0.3236

87.5970, 0.2790,
0.3236

83.0404, 0.2654,
0.3210

92.7543, 0.2937,
0.3262

79.0537, 0.2531,
0.3181

98.5380, 0.3090,
0.3285

75.6058, 0.2424,
0.3152

100.0000, 0.3127,
0.3290

72.6616, 0.2335,
0.3121

■ 70.1819, 0.2265,
0.3091

■ 68.1214, 0.2215,
0.3061

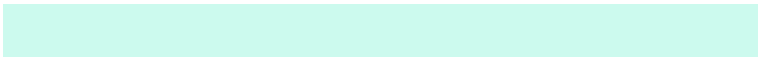
■ 66.4254, 0.2183,
0.3030

■ 65.3141, 0.2169,
0.3008

Harmonies

Analogous

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



87.5970, 0.2911, 0.3418



87.5970, 0.2790, 0.3236



87.5970, 0.2757, 0.3077

Triad

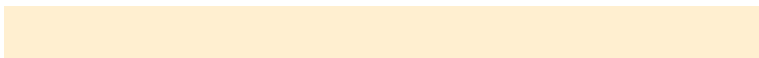
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5970, 0.2790, 0.3236



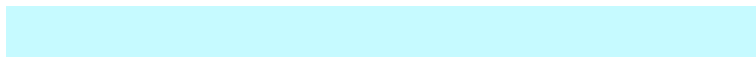
87.5970, 0.3153, 0.3035



87.5970, 0.3441, 0.3601

Complementary

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



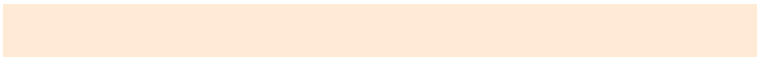
87.5970, 0.2790, 0.3236



68.0305, 0.3576, 0.3343

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.



87.5970, 0.3512, 0.3487



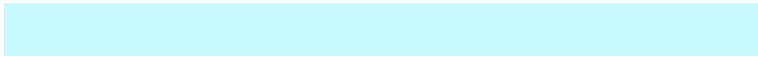
87.5970, 0.2790, 0.3236



87.5970, 0.3343, 0.3164

Square

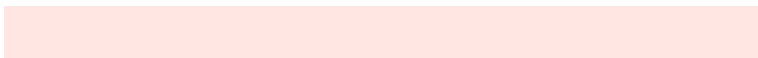
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5970, 0.2790, 0.3236



87.5970, 0.2962, 0.2968



87.5970, 0.3476, 0.3328



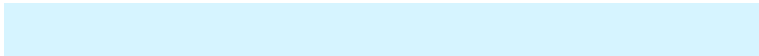
87.5970, 0.3286, 0.3633

Rectangle

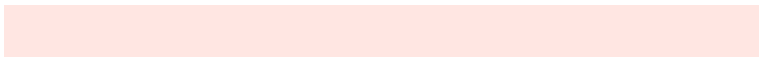
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



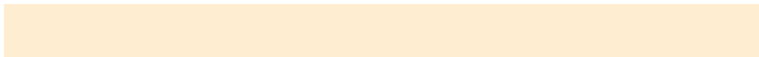
87.5970, 0.2790, 0.3236



87.5970, 0.2788, 0.3004



87.5970, 0.3476, 0.3328



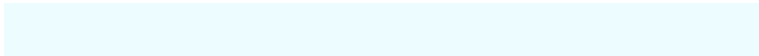
87.5970, 0.3476, 0.3571

Sweetspot

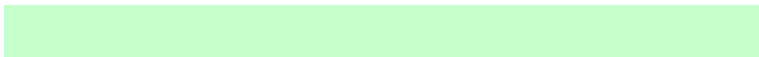
The Sweet Spot groups the original color and five complimentary colors.



87.5975, 0.2790, 0.3237



95.7773, 0.3018, 0.3274



87.8204, 0.3072, 0.3865



20.4255, 0.3009, 0.3273



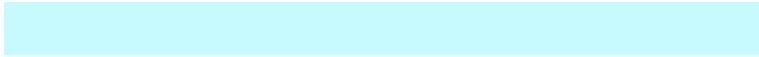
0.0000, 0.0000, 0.0000



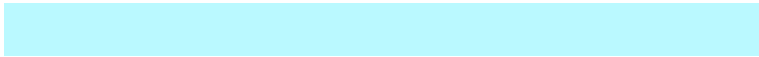
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5975, 0.2790, 0.3237



85.4122, 0.2726, 0.3224



71.3225, 0.2767, 0.2929



20.1933, 0.2980, 0.3269



34.2408, 0.2170, 0.3013



3.4105, 0.2180, 0.3047

Inverse Universe

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



68.5373, 0.3189, 0.2778



63.2789, 0.3203, 0.2670



82.6209, 0.3515, 0.3626



18.2713, 0.3152, 0.3076



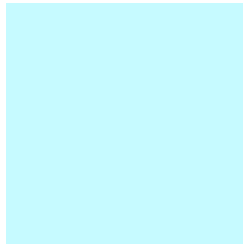
14.1846, 0.3443, 0.1670



1.3888, 0.3413, 0.1654

Previews

White Background



This preview shows how the Yxy color 87.5970, 0.2790, 0.3236 looks on a white background.

Color Contrast Check

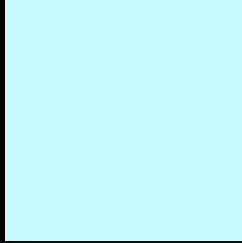
Large Text (above 18pt) WCAG AA × Fail

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 87.5970, 0.2790, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

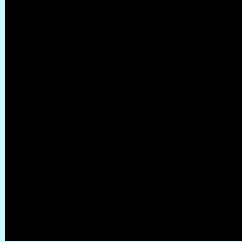
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

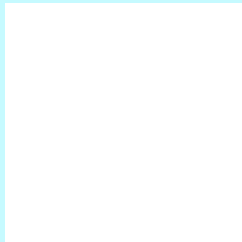
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5970, 0.2790, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 87.5970, 0.2790, 0.3236.

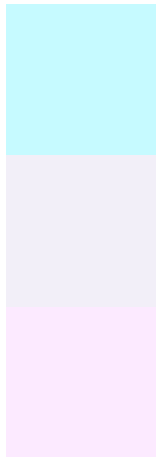


This preview shows how white text looks on a background with the Yxy color 87.5970, 0.2790, 0.3236.

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

87.5970, 0.2790, 0.3236

Protanopia

87.3876, 0.3092, 0.3201

Deuteranopia

86.7611, 0.3117, 0.3086



Tritanopia

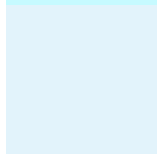
87.1370, 0.2914, 0.3177

Trichromacy



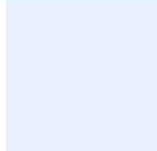
Original Color

87.5970, 0.2790, 0.3236



Protanomaly

87.2350, 0.2973, 0.3208



Deuteranomaly

86.6960, 0.2987, 0.3139



Tritanomaly

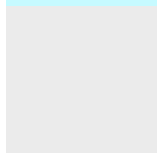
87.1286, 0.2867, 0.3196

Monochromacy



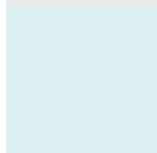
Original Color

87.5970, 0.2790, 0.3236



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.2606, 0.2999, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5970, 0.2790, 0.3236 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(198, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 250, 255)  
}
```

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(198, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.5970, 0.2790, 0.3236 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(198, 250, 255) }
```

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

```
.border{ border-color:rgb(198, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5970, 0.2790, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 250, 255) }
```

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

```
.background{ background-color: rgb(198,  
250, 255) }
```

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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