

Converting Colors

$Yxy(87.3501, 0.2784, 0.3235)$

Have a look what the booklet for
Yxy(87.3501, 0.2784, 0.3235)
contains.

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Color

Yxy(87.4615, 0.2785, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	C5FAFF
RGB	197, 250, 255
RGB Percent	77%, 98%, 100%
CMY	0.2273, 0.0196, 0.0000
CMYK	0.23, 0.02, 0.00, 0.00
HSL	185°, 100%, 89%
HSV	185°, 23%, 100%
XYZ	75.2720, 87.4615, 107.5430
YIQ	234.7230, -33.1930, -9.6810

Conversions

Conversions Part 2

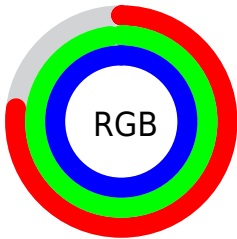
Format	Color
RYB	197, 225, 255
Decimal	12974847
CIELab	94.93, -15.57, -7.91
CIELCh	95, 17.462, 206.940
Yxy	87.4615, 0.2785, 0.3236
Android (android.graphics.Color)	4291164927 (0xFFC5FAFF)
YUV	234.7230, 9.9966, -33.0831
Hunter-Lab	93.5209, -19.9924, -2.7151

Details

The Yxy color **87.4615, 0.2785, 0.3236** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.5559, 0.3585, 0.3343**, and the grayscale version is **82.8040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9679, 0.2714, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **82.9456, 0.2649, 0.3210**, and if you desaturate by 10%, it is **92.5794, 0.2931, 0.3261**.

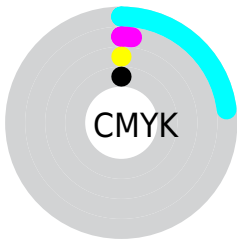
Distribution



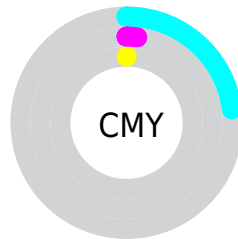
- Red (77%)
- Green (98%)
- Blue (100%)



- Red (77%)
- Yellow (88%)
- Blue (100%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4615, 0.2785, 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 87.4615, 0.2785, 0.3236 by changing the saturation by 10% instead.

87.4615, 0.2785,
0.3236

87.4615, 0.2785,
0.3236

519.7381, 0.2937,
0.3262

65.8772, 0.2752,
0.3230

143.8072, 0.2836,
0.3245

48.1727, 0.2712,
0.3222

179.3374, 0.2857,
0.3249

33.9637, 0.2662,
0.3212

220.2850, 0.2874,
0.3252

22.8657, 0.2599,
0.3198

267.0344, 0.2890,
0.3255

14.4944, 0.2516,
0.3180

319.9701, 0.2904,
0.3257

8.4653, 0.2403,
0.3152

379.4763, 0.2916,

4.3941, 0.2239,

0.3259

0.3108

445.9375, 0.2927,
0.3261

1.8964, 0.1982,
0.3027

0.5462, 0.0754,
0.2960

87.4615, 0.2785,
0.3236

87.4615, 0.2785,
0.3236

82.9456, 0.2649,
0.3210

92.5794, 0.2931,
0.3261

78.9967, 0.2527,
0.3182

98.3209, 0.3084,
0.3284

75.5849, 0.2421,
0.3153

100.0000, 0.3127,
0.3290

72.6750, 0.2332,
0.3123

■ 70.2277, 0.2264,
0.3093

■ 68.1973, 0.2214,
0.3063

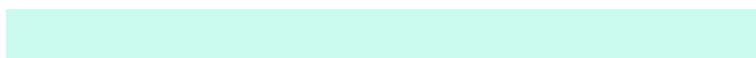
■ 66.5289, 0.2184,
0.3033

■ 65.4843, 0.2170,
0.3012

Harmonies

Analogous

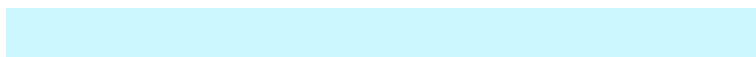
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4615, 0.2909, 0.3421



87.4615, 0.2785, 0.3236



87.4615, 0.2751, 0.3074

Triad

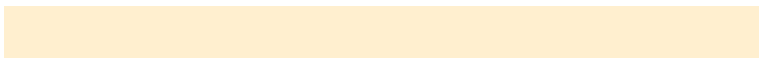
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4615, 0.2785, 0.3236



87.4615, 0.3153, 0.3030



87.4615, 0.3447, 0.3606

Complementary

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



87.4615, 0.2785, 0.3236



67.5559, 0.3585, 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.



87.4615, 0.3519, 0.3489



87.4615, 0.2785, 0.3236



87.4615, 0.3346, 0.3161

Square

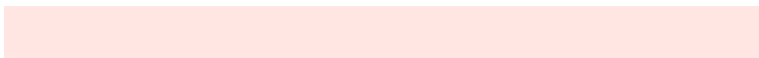
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4615, 0.2785, 0.3236



87.4615, 0.2958, 0.2963



87.4615, 0.3481, 0.3327



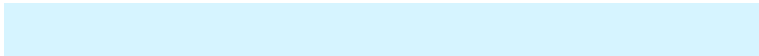
87.4615, 0.3290, 0.3639

Rectangle

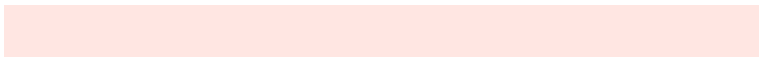
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4615, 0.2785, 0.3236



87.4615, 0.2782, 0.3000



87.4615, 0.3481, 0.3327



87.4615, 0.3482, 0.3575

Sweetspot

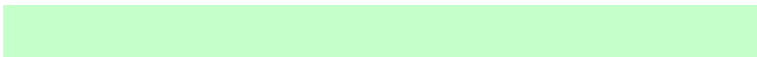
The Sweet Spot groups the original color and five complimentary colors.



87.4634, 0.2785, 0.3236



95.7907, 0.3018, 0.3275



87.6539, 0.3071, 0.3876



20.4286, 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.



87.4634, 0.2785, 0.3236



85.4624, 0.2726, 0.3225



70.9092, 0.2761, 0.2922



20.1972, 0.2980, 0.3269



34.3284, 0.2171, 0.3017



3.4181, 0.2181, 0.3050

Inverse Universe

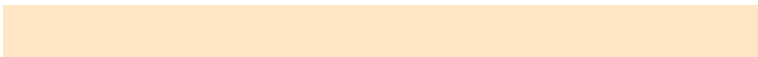
The Inverse Universe completely reimagines the original color for something new.



68.1127, 0.3189, 0.2768



63.2839, 0.3203, 0.2669



82.3611, 0.3522, 0.3632



18.2717, 0.3151, 0.3076



14.1934, 0.3440, 0.1668



1.3896, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 87.4615, 0.2785, 0.3236 looks on a white background.

Color Contrast Check

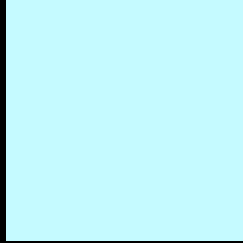
Large Text (above 18pt) WCAG AA × Fail

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 87.4615, 0.2785, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

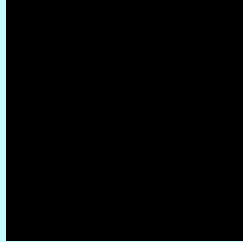
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4615, 0.2785, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 87.4615, 0.2785, 0.3236.

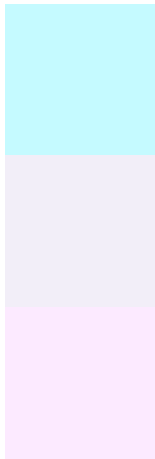


This preview shows how white text looks on a background with the Yxy color 87.4615, 0.2785, 0.3236.

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

87.4615, 0.2785, 0.3236

Protanopia

86.8036, 0.3092, 0.3191

Deuteranopia

86.7611, 0.3117, 0.3086



Tritanopia

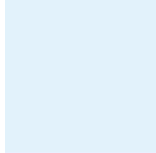
87.1370, 0.2914, 0.3177

Trichromacy



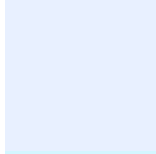
Original Color

87.4615, 0.2785, 0.3236



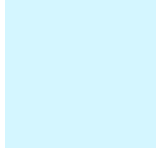
Protanomaly

86.6380, 0.2973, 0.3198



Deuteranomaly

86.6960, 0.2987, 0.3139



Tritanomaly

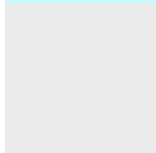
87.1286, 0.2867, 0.3196

Monochromacy



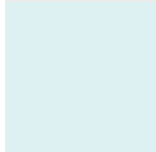
Original Color

87.4615, 0.2785, 0.3236



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.1031, 0.2993, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4615, 0.2785, 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(197, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.4615, 0.2785, 0.3236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

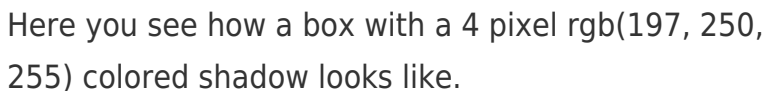
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 250, 255) }
```

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

```
.border{ border-color:rgb(197, 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(197, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4615, 0.2785, 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(197, 250, 255) }
```

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

```
.background{ background-color: rgb(197,  
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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