

Converting Colors

$Yxy(93.9761, 0.2377, 0.2490)$

Have a look what the booklet for
Yxy(93.9761, 0.2377, 0.2490)
contains.

Yxy(87.4056, 0.2733, 0.3257)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.4056, 0.2733, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	BBFCFF
RGB	187, 252, 255
RGB Percent	73%, 99%, 100%
CMY	0.2669, 0.0117, 0.0000
CMYK	0.27, 0.01, 0.00, 0.00
HSL	183°, 100%, 87%
HSV	183°, 27%, 100%
XYZ	73.3434, 87.4056, 107.6133
YIQ	232.9070, -39.7030, -12.8470

Conversions

Conversions Part 2

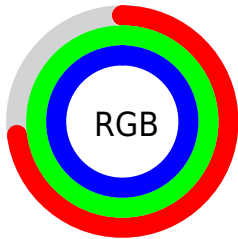
Format	Color
RYB	187, 220, 255
Decimal	12319999
CIELab	94.91, -19.45, -8.00
CIELCh	95, 21.029, 202.346
Yxy	87.4056, 0.2733, 0.3257
Android (android.graphics.Color)	4290510079 (0xFFBBFCFF)
YUV	232.9070, 10.8918, -40.2604
Hunter-Lab	93.4910, -23.5764, -2.8024

Details

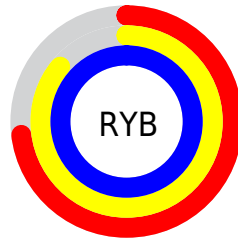
The Yxy color **87.4056, 0.2733, 0.3257** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6416, 0.3698, 0.3323**, and the grayscale version is **81.3448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **48.0130, 0.2653, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **83.7743, 0.2606, 0.3243**, and if you desaturate by 10%, it is **91.6187, 0.2873, 0.3270**.

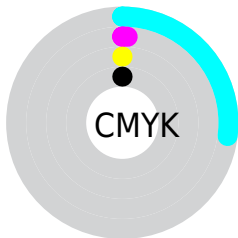
Distribution



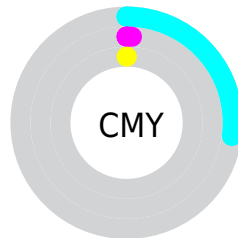
- Red (73%)
- Green (99%)
- Blue (100%)



- Red (73%)
- Yellow (86%)
- Blue (100%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4056, 0.2733, 0.3257 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 87.4056, 0.2733, 0.3257 by changing the saturation by 10% instead.


 87.4056, 0.2733,
0.3257

 87.4056, 0.2733,
0.3257


519.5547, 0.2907,
0.3275

 65.8309, 0.2695,
0.3253


 143.7293, 0.2792,
0.3263

 48.1352, 0.2649,
0.3247

179.2472, 0.2815,
0.3266

 33.9339, 0.2592,
0.3239


220.1815, 0.2836,
0.3268

 22.8428, 0.2520,
0.3229

266.9168, 0.2854,
0.3270

 14.4775, 0.2425,
0.3214

319.8373, 0.2869,
0.3271

 8.4535, 0.2296,
0.3191

379.3276, 0.2883,

 4.3865, 0.2110,

0.3272

0.3153

445.7719, 0.2896,
0.3274

■ 1.8920, 0.1823,
0.3079

■ 0.5436, 0.0239,
0.3109

■ 87.4056, 0.2733,
0.3257

■ 87.4056, 0.2733,
0.3257

■ 83.7743, 0.2606,
0.3243

■ 91.6187, 0.2873,
0.3270

■ 80.6845, 0.2494,
0.3229

■ 96.4315, 0.3023,
0.3282

■ 78.1066, 0.2399,
0.3214

100.0000, 0.3127,
0.3290

■ 76.0039, 0.2324,
0.3199

■ 74.3349, 0.2269,
0.3184

■ 73.0509, 0.2232,
0.3169

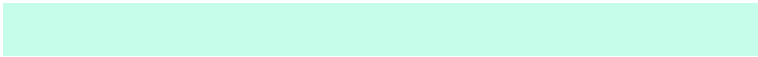
■ 72.0907, 0.2213,
0.3155

■ 71.8134, 0.2208,
0.3150

Harmonies

Analogous

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



87.4056, 0.2894, 0.3480



87.4056, 0.2733, 0.3257



87.4056, 0.2675, 0.3054

Triad

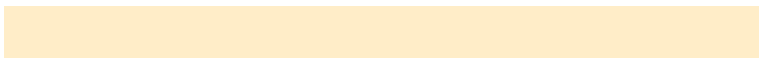
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4056, 0.2733, 0.3257



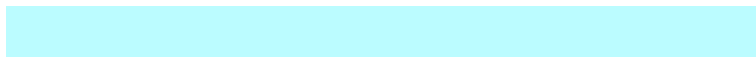
87.4056, 0.3119, 0.2962



87.4056, 0.3533, 0.3653

Complementary

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



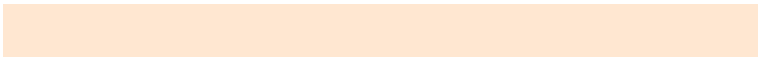
87.4056, 0.2733, 0.3257



61.6416, 0.3698, 0.3323

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.



87.4056, 0.3601, 0.3499



87.4056, 0.2733, 0.3257



87.4056, 0.3357, 0.3108

Square

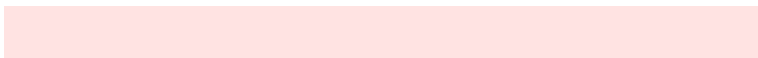
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4056, 0.2733, 0.3257



87.4056, 0.2891, 0.2894



87.4056, 0.3537, 0.3301



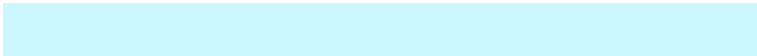
87.4056, 0.3356, 0.3714

Rectangle

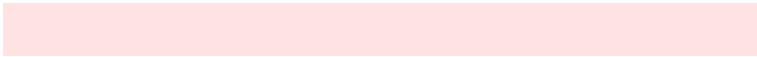
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4056, 0.2733, 0.3257



87.4056, 0.2700, 0.2958



87.4056, 0.3537, 0.3301



87.4056, 0.3570, 0.3610

Sweetspot

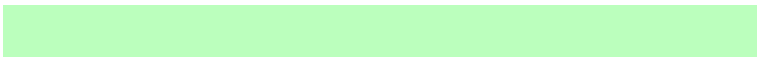
The Sweet Spot groups the original color and five complimentary colors.



87.4090, 0.2733, 0.3257



95.7649, 0.3003, 0.3281



85.7613, 0.3079, 0.4034



20.3368, 0.2980, 0.3279



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

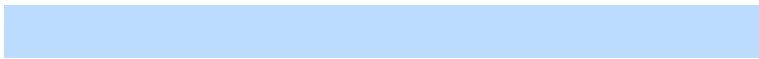
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4090, 0.2733, 0.3257



85.4086, 0.2664, 0.3250



68.2867, 0.2697, 0.2887



20.3368, 0.2980, 0.3279



37.5841, 0.2209, 0.3152



3.7000, 0.2214, 0.3169

Inverse Universe

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



63.8067, 0.3180, 0.2650



58.2925, 0.3192, 0.2523



77.7498, 0.3610, 0.3661



18.2858, 0.3145, 0.3066



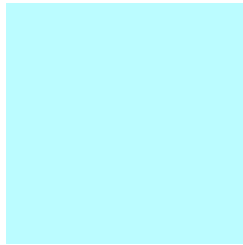
14.5221, 0.3322, 0.1604



1.4181, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 87.4056, 0.2733, 0.3257 looks on a white background.

Color Contrast Check

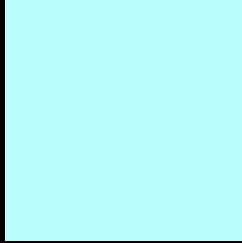
Large Text (above 18pt) WCAG AA × Fail

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 87.4056, 0.2733, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

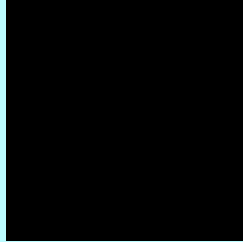
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4056, 0.2733, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 87.4056, 0.2733, 0.3257.

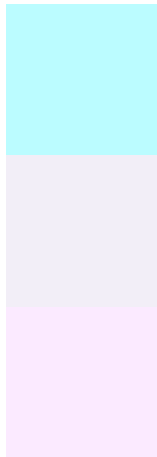


This preview shows how white text looks on a background with the Yxy color 87.4056, 0.2733, 0.3257.

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

87.4056, 0.2733, 0.3257

Protanopia

86.7417, 0.3099, 0.3200

Deuteranopia

86.5749, 0.3110, 0.3086



Tritanopia

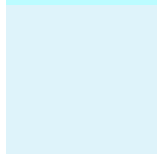
87.2765, 0.2896, 0.3187

Trichromacy



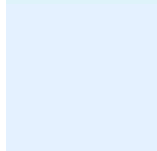
Original Color

87.4056, 0.2733, 0.3257



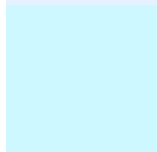
Protanomaly

86.5329, 0.2954, 0.3218



Deuteranomaly

86.6246, 0.2962, 0.3148



Tritanomaly

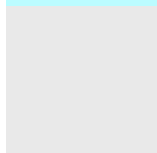
87.4766, 0.2834, 0.3216

Monochromacy



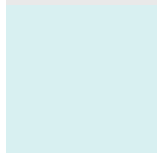
Original Color

87.4056, 0.2733, 0.3257



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.2700, 0.2967, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4056, 0.2733, 0.3257 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(187, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 252, 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(187, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.4056, 0.2733, 0.3257 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(187, 252, 255) }
```

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

```
.border{ border-color:rgb(187, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 252, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 252, 255); box-shadow:4px 4px 4px 4px rgb(187, 252, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4056, 0.2733, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 252, 255) }
```

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

```
.background{ background-color: rgb(187,  
252, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor