

Converting Colors

$Yxy(87.1119, 0.2703, 0.3264)$

Have a look what the booklet for
Yxy(87.1119, 0.2703, 0.3264)
contains.

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Color

Yxy(87.2943, 0.2704, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	B5FDFF
RGB	181, 253, 255
RGB Percent	71%, 99%, 100%
CMY	0.2898, 0.0079, 0.0000
CMYK	0.29, 0.01, 0.00, 0.00
HSL	182°, 100%, 86%
HSV	182°, 29%, 100%
XYZ	72.2509, 87.2943, 107.6550
YIQ	231.7000, -43.5540, -14.6420

Conversions

Conversions Part 2

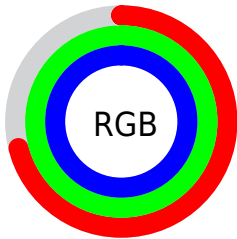
Format	Color
R_{YB}	181, 217, 255
Decimal	11927039
CIE _{Lab}	94.86, -21.54, -8.10
CIE _{LCh}	95, 23.009, 200.617
Y _{xy}	87.2943, 0.2704, 0.3267
Android (android.graphics.Color)	4290117119 (0xFFB5FDFF)
YUV	231.7000, 11.4869, -44.4639
Hunter-Lab	93.4314, -25.4701, -2.9140

Details

The Yxy color **87.2943, 0.2704, 0.3267** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.5204, 0.3768, 0.3313**, and the grayscale version is **80.4149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **47.9170, 0.2612, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **84.0507, 0.2581, 0.3258**, and if you desaturate by 10%, it is **91.1097, 0.2841, 0.3276**.

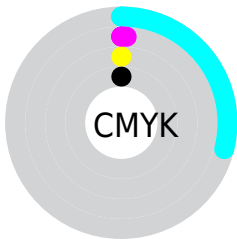
Distribution



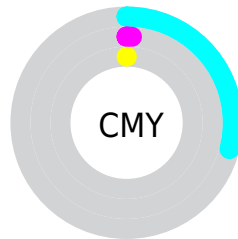
- Red (71%)
- Green (99%)
- Blue (100%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2943, 0.2704, 0.3267 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 87.2943, 0.2704, 0.3267 by changing the saturation by 10% instead.

 87.2943, 0.2704,
0.3267

 87.2943, 0.2704,
0.3267

519.1894, 0.2891,
0.3280

 65.7388, 0.2663,
0.3263

 143.5743, 0.2767,
0.3272

 48.0604, 0.2614,
0.3259


179.0675, 0.2792,
0.3274

 33.8747, 0.2553,
0.3252


219.9755, 0.2814,
0.3276

 22.7974, 0.2475,
0.3243

266.6825, 0.2833,
0.3277

 14.4440, 0.2374,
0.3230

319.5730, 0.2850,
0.3278

 8.4301, 0.2237,
0.3209

379.0314, 0.2865,

 4.3714, 0.2039,

0.3279

0.3173

445.4421, 0.2879,
0.3280

1.8834, 0.1735,
0.3100

0.5384, 0.0000,
0.3160

87.2943, 0.2704,
0.3267

87.2943, 0.2704,
0.3267

84.0507, 0.2581,
0.3258

91.1097, 0.2841,
0.3276

81.3391, 0.2475,
0.3249

95.5164, 0.2988,
0.3283

79.1289, 0.2387,
0.3240

100.0000, 0.3127,
0.3290

77.3824, 0.2318,
0.3231

■ 76.0567, 0.2269,
0.3221

■ 75.1010, 0.2239,
0.3212

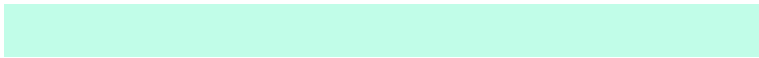
■ 74.4404, 0.2224,
0.3203

■ 74.3797, 0.2223,
0.3203

Harmonies

Analogous

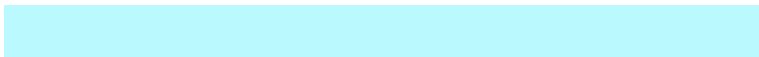
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2943, 0.2885, 0.3512



87.2943, 0.2704, 0.3267



87.2943, 0.2634, 0.3041

Triad

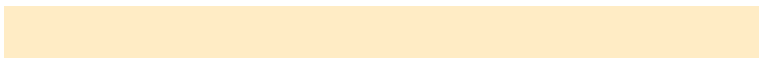
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2943, 0.2704, 0.3267



87.2943, 0.3103, 0.2925



87.2943, 0.3580, 0.3679

Complementary

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



87.2943, 0.2704, 0.3267



58.5204, 0.3768, 0.3313

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.



87.2943, 0.3647, 0.3506



87.2943, 0.2704, 0.3267



87.2943, 0.3365, 0.3080

Square

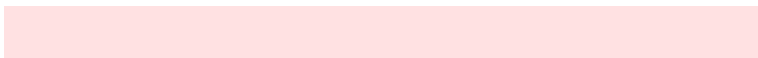
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2943, 0.2704, 0.3267



87.2943, 0.2857, 0.2858



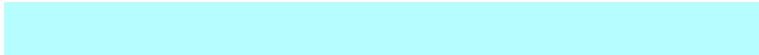
87.2943, 0.3567, 0.3288



87.2943, 0.3390, 0.3754

Rectangle

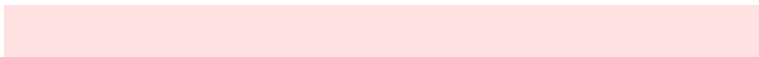
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.2943, 0.2704, 0.3267



87.2943, 0.2657, 0.2933



87.2943, 0.3567, 0.3288



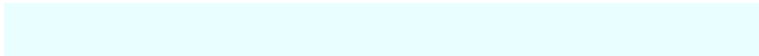
87.2943, 0.3618, 0.3630

Sweetspot

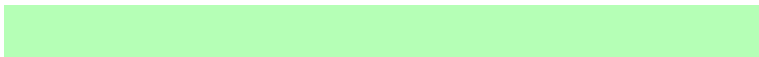
The Sweet Spot groups the original color and five complimentary colors.



87.2973, 0.2704, 0.3267



95.5052, 0.2988, 0.3283



84.7487, 0.3081, 0.4123



20.2967, 0.2966, 0.3282



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

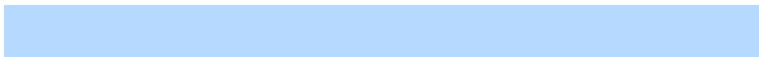
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2973, 0.2704, 0.3267



85.2757, 0.2628, 0.3262



66.5922, 0.2660, 0.2862



20.3913, 0.2980, 0.3283



38.9032, 0.2223, 0.3204



3.8137, 0.2226, 0.3214

Inverse Universe

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



61.4437, 0.3176, 0.2584



55.5057, 0.3187, 0.2440



75.4136, 0.3662, 0.3682



18.2913, 0.3142, 0.3062



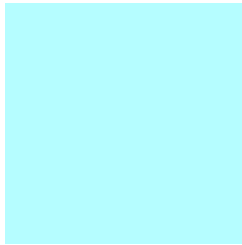
14.6553, 0.3279, 0.1580



1.4295, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 87.2943, 0.2704, 0.3267 looks on a white background.

Color Contrast Check

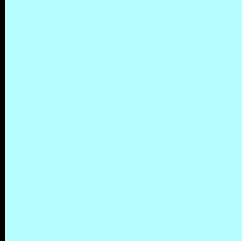
Large Text (above 18pt) WCAG AA × Fail

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 87.2943, 0.2704, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

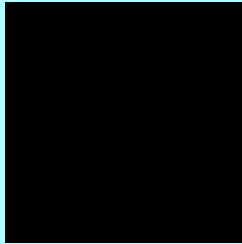
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.2943, 0.2704, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 87.2943, 0.2704, 0.3267.

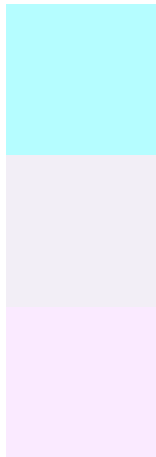


This preview shows how white text looks on a background with the Yxy color 87.2943, 0.2704, 0.3267.

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

87.2943, 0.2704, 0.3267

Protanopia

86.6801, 0.3105, 0.3210

Deuteranopia

86.3896, 0.3104, 0.3085



Tritanopia

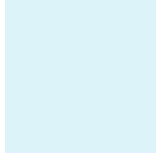
86.9719, 0.2884, 0.3186

Trichromacy



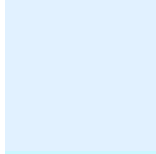
Original Color

87.2943, 0.2704, 0.3267



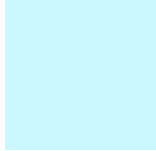
Protanomaly

86.1564, 0.2947, 0.3228



Deuteranomaly

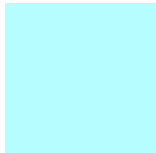
86.1381, 0.2943, 0.3147



Tritanomaly

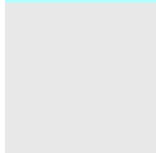
87.0513, 0.2817, 0.3216

Monochromacy



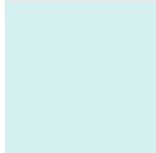
Original Color

87.2943, 0.2704, 0.3267



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7576, 0.2954, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2943, 0.2704, 0.3267 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(181, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 253, 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(181, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.2943, 0.2704, 0.3267 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(181, 253, 255) }
```

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

```
.border{ border-color:rgb(181, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2943, 0.2704, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 253, 255) }
```

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

```
.background{ background-color: rgb(181,  
253, 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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