

Converting Colors

Yxy(91.4441, 0.2435, 0.2683)

Have a look what the booklet for
Yxy(91.4441, 0.2435, 0.2683)
contains.

Yxy(87.1739, 0.2698, 0.3267)	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(87.1739, 0.2698, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	B4FDFF
RGB	180, 253, 255
RGB Percent	71%, 99%, 100%
CMY	0.2943, 0.0078, 0.0000
CMYK	0.29, 0.01, 0.00, 0.00
HSL	182°, 100%, 85%
HSV	182°, 29%, 100%
XYZ	71.9912, 87.1739, 107.6666
YIQ	231.4010, -44.1500, -14.8540

Conversions

Conversions Part 2

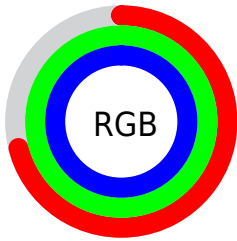
Format	Color
R _Y B	180, 217, 255
Decimal	11861503
CIE Lab	94.81, -21.86, -8.20
CIE LCh	95, 23.349, 200.553
Yxy	87.1739, 0.2698, 0.3267
Android (android.graphics.Color)	4290051583 (0xFFB4FDFF)
YUV	231.4010, 11.6343, -45.0787
Hunter-Lab	93.3670, -25.7587, -3.0137

Details

The Yxy color **87.1739, 0.2698, 0.3267** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.9796, 0.3782, 0.3313**, and the grayscale version is **80.1534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **47.8422, 0.2606, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **83.9669, 0.2576, 0.3259**, and if you desaturate by 10%, it is **90.9480, 0.2834, 0.3276**.

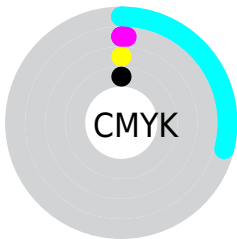
Distribution



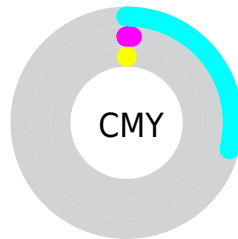
- Red (71%)
- Green (99%)
- Blue (100%)



- 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 87.1739, 0.2698, 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 87.1739, 0.2698, 0.3267 by changing the saturation by 10% instead.


 87.1739, 0.2698,
0.3267

 87.1739, 0.2698,
0.3267


518.7941, 0.2888,
0.3281

 65.6391, 0.2657,
0.3263

 143.4065, 0.2762,
0.3272

 47.9795, 0.2607,
0.3259

178.8731, 0.2788,
0.3274

 33.8107, 0.2545,
0.3252


219.7525, 0.2810,
0.3276

 22.7482, 0.2466,
0.3243

266.4290, 0.2829,
0.3277

 14.4077, 0.2364,
0.3229

319.2870, 0.2846,
0.3278

 8.4048, 0.2224,
0.3208

378.7109, 0.2862,

 4.3550, 0.2024,

0.3279

0.3171

445.0852, 0.2875,
0.3280

■ 1.8741, 0.1716,
0.3097

■ 0.5327, 0.0000,
0.3137

■ 87.1739, 0.2698,
0.3267

■ 87.1739, 0.2698,
0.3267

■ 83.9669, 0.2576,
0.3259

■ 90.9480, 0.2834,
0.3276

■ 81.2920, 0.2471,
0.3250

■ 95.3136, 0.2981,
0.3283

■ 79.1168, 0.2384,
0.3241

100.0000, 0.3127,
0.3290

■ 77.4033, 0.2316,
0.3232

■ 76.1085, 0.2268,
0.3223

■ 75.1809, 0.2239,
0.3214

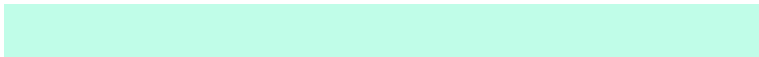
■ 74.5415, 0.2224,
0.3206

■ 74.5087, 0.2224,
0.3205

Harmonies

Analogous

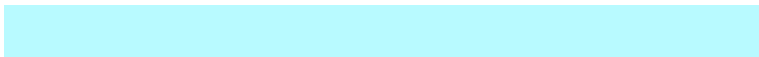
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1739, 0.2881, 0.3516



87.1739, 0.2698, 0.3267



87.1739, 0.2627, 0.3038

Triad

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



87.1739, 0.2698, 0.3267



87.1739, 0.3101, 0.2920



87.1739, 0.3587, 0.3684

Complementary

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



87.1739, 0.2698, 0.3267



57.9796, 0.3782, 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.



87.1739, 0.3655, 0.3508



87.1739, 0.2698, 0.3267



87.1739, 0.3368, 0.3077

Square

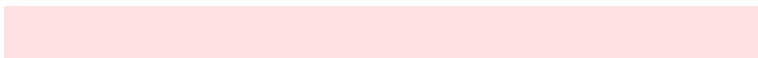
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1739, 0.2698, 0.3267



87.1739, 0.2852, 0.2851



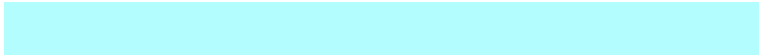
87.1739, 0.3574, 0.3288



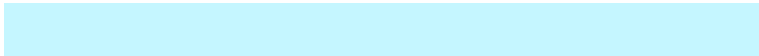
87.1739, 0.3394, 0.3761

Rectangle

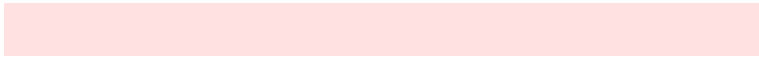
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1739, 0.2698, 0.3267



87.1739, 0.2649, 0.2928



87.1739, 0.3574, 0.3288



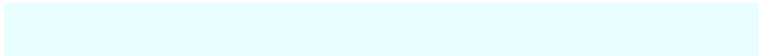
87.1739, 0.3625, 0.3634

Sweetspot

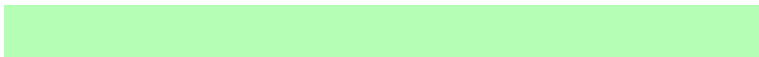
The Sweet Spot groups the original color and five complimentary colors.



87.1752, 0.2698, 0.3267



95.5172, 0.2988, 0.3284



84.5605, 0.3080, 0.4139



20.2997, 0.2966, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

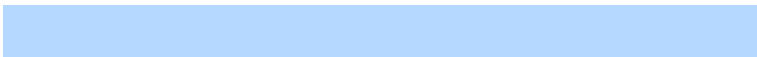
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1752, 0.2698, 0.3267



85.3219, 0.2628, 0.3263



66.1409, 0.2653, 0.2854



20.3940, 0.2980, 0.3283



38.9695, 0.2224, 0.3207



3.8194, 0.2227, 0.3216

Inverse Universe

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



60.9718, 0.3177, 0.2573



55.5104, 0.3186, 0.2440



75.0710, 0.3672, 0.3689



18.2916, 0.3142, 0.3062



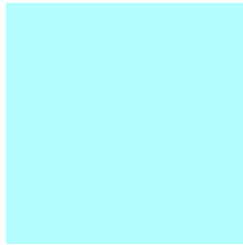
14.6620, 0.3276, 0.1579



1.4301, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 87.1739, 0.2698, 0.3267 looks on a white background.

Color Contrast Check

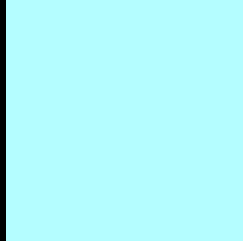
Large Text (above 18pt) WCAG AA × Fail

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 87.1739, 0.2698, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

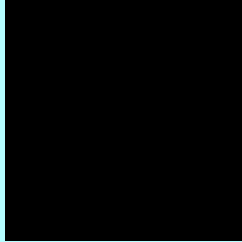
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.1739, 0.2698, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 87.1739, 0.2698, 0.3267.

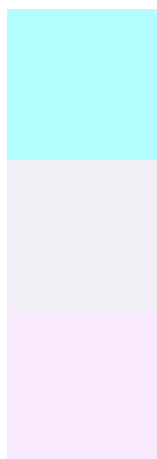


This preview shows how white text looks on a background with the Yxy color 87.1739, 0.2698, 0.3267.

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

87.1739, 0.2698, 0.3267

Protanopia

86.5037, 0.3098, 0.3210

Deuteranopia

86.3896, 0.3104, 0.3085



Tritanopia

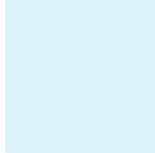
86.9719, 0.2884, 0.3186

Trichromacy



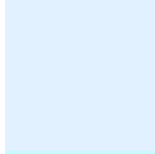
Original Color

87.1739, 0.2698, 0.3267



Protanomaly

86.0008, 0.2941, 0.3228



Deuteranomaly

86.1381, 0.2943, 0.3147



Tritanomaly

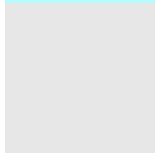
86.9114, 0.2811, 0.3216

Monochromacy



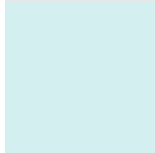
Original Color

87.1739, 0.2698, 0.3267



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.0213, 0.2948, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1739, 0.2698, 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(180, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.1739, 0.2698, 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(180, 253, 255) }
```

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

```
.border{ border-color:rgb(180, 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(180, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1739, 0.2698, 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(180, 253, 255) }
```

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

```
.background{ background-color: rgb(180,  
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](#).

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