

Converting Colors

$Yxy(87.7346, 0.2734, 0.3380)$

Have a look what the booklet for
Yxy(87.7346, 0.2734, 0.3380)
contains.

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Color

Yxy(87.8191, 0.2734, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFF7
RGB	179, 255, 247
RGB Percent	70%, 100%, 97%
CMY	0.2985, 0.0000, 0.0314
CMYK	0.30, 0.00, 0.03, 0.00
HSL	174°, 100%, 85%
HSV	174°, 30%, 100%
XYZ	71.1189, 87.8191, 101.1897
YIQ	231.3640, -42.7280, -18.6000

Conversions

Conversions Part 2

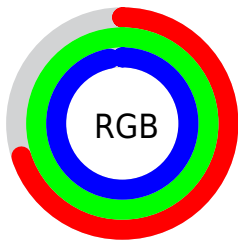
Format	Color
RYB	179, 219, 255
Decimal	11796471
CIELab	95.08, -24.89, -3.65
CIELCh	95, 25.153, 188.341
Yxy	87.8191, 0.2734, 0.3376
Android (android.graphics.Color)	4289986551 (0xFFB3FFF7)
YUV	231.3640, 7.7085, -45.9232
Hunter-Lab	93.7118, -28.5302, 1.5772

Details

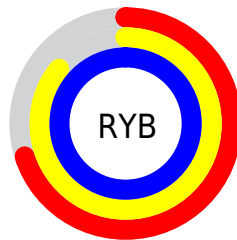
The Yxy color **87.8191, 0.2734, 0.3376** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.0414, 0.3728, 0.3208**, and the grayscale version is **80.1353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **48.4348, 0.2651, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **84.8811, 0.2624, 0.3409**, and if you desaturate by 10%, it is **91.2949, 0.2857, 0.3345**.

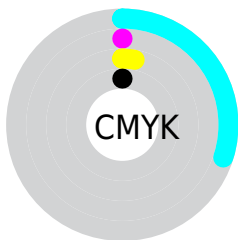
Distribution



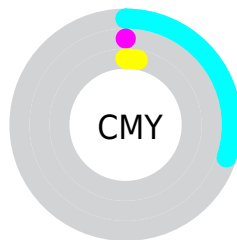
- Red (70%)
- Green (100%)
- Blue (97%)



- Red (70%)
- Yellow (86%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8191, 0.2734, 0.3376 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 87.8191, 0.2734, 0.3376 by changing the saturation by 10% instead.


 87.8191, 0.2734,
0.3376

 87.8191, 0.2734,
0.3376


520.9106, 0.2908,
0.3339

 66.1733, 0.2696,
0.3384


 144.3053, 0.2793,
0.3364

 48.4131, 0.2650,
0.3393


179.9144, 0.2817,
0.3359

 34.1541, 0.2592,
0.3404


220.9468, 0.2837,
0.3355

 23.0120, 0.2519,
0.3417

267.7867, 0.2855,
0.3351

 14.6024, 0.2424,
0.3435

320.8187, 0.2870,
0.3348

 8.5408, 0.2293,
0.3457

380.4271, 0.2884,

 4.4429, 0.2103,

0.3345

0.3485

446.9963, 0.2897,
0.3342

1.9243, 0.1807,
0.3521

0.5629, 0.0000,
0.3934

87.8191, 0.2734,
0.3376

87.8191, 0.2734,
0.3376

84.8811, 0.2624,
0.3409

91.2949, 0.2857,
0.3345


82.4893, 0.2531,
0.3444


95.3765, 0.2989,
0.3316


80.5964, 0.2455,
0.3480


100.0000, 0.3127,
0.3290

79.1645, 0.2398,
0.3516

 78.1502, 0.2361,
0.3553

 77.5016, 0.2343,
0.3590

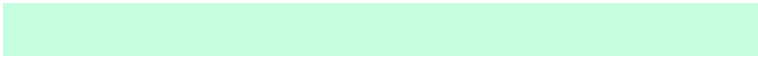
 77.1355, 0.2341,
0.3626

 77.1307, 0.2341,
0.3626

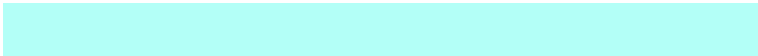
Harmonies

Analogous

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



87.8191, 0.2968, 0.3628



87.8191, 0.2734, 0.3376



87.8191, 0.2606, 0.3110

Triad

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



87.8191, 0.2734, 0.3376



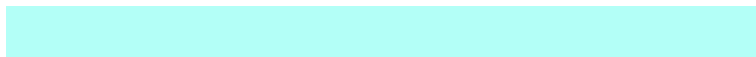
87.8191, 0.2983, 0.2851



87.8191, 0.3670, 0.3645

Complementary

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



87.8191, 0.2734, 0.3376



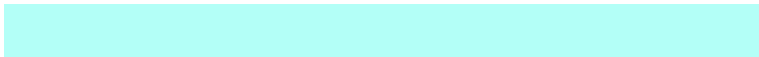
57.0414, 0.3728, 0.3208

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.



87.8191, 0.3678, 0.3429



87.8191, 0.2734, 0.3376



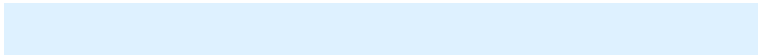
87.8191, 0.3272, 0.2984

Square

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



87.8191, 0.2734, 0.3376



87.8191, 0.2744, 0.2822



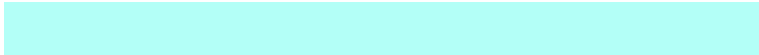
87.8191, 0.3530, 0.3191



87.8191, 0.3511, 0.3779

Rectangle

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



87.8191, 0.2734, 0.3376



87.8191, 0.2593, 0.2967



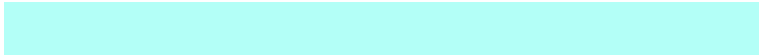
87.8191, 0.3530, 0.3191



87.8191, 0.3691, 0.3579

Sweetspot

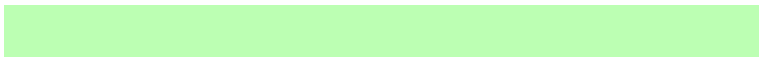
The Sweet Spot groups the original color and five complimentary colors.



87.8060, 0.2734, 0.3376



95.7496, 0.3001, 0.3314



85.4330, 0.3139, 0.4154



20.3575, 0.2981, 0.3318



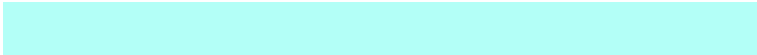
0.0000, 0.0000, 0.0000



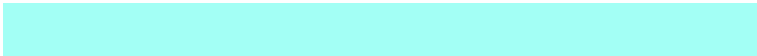
21.4041, 0.3127, 0.3290

Same Dimension

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



87.8060, 0.2734, 0.3376



85.9410, 0.2665, 0.3396



71.0893, 0.2659, 0.2964



20.4466, 0.2994, 0.3315



40.3158, 0.2339, 0.3620



3.9345, 0.2327, 0.3579

Inverse Universe

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



57.0414, 0.3728, 0.3208



50.5372, 0.3908, 0.3191



69.6553, 0.3711, 0.3593



18.0181, 0.3278, 0.3265



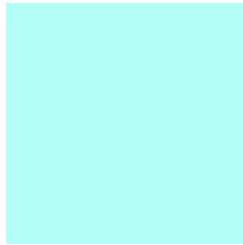
11.1598, 0.6280, 0.3233



1.0963, 0.6060, 0.3112

Previews

White Background



This preview shows how the Yxy color 87.8191, 0.2734, 0.3376 looks on a white background.

Color Contrast Check

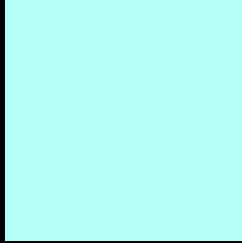
Large Text (above 18pt) WCAG AA × Fail

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 87.8191, 0.2734, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

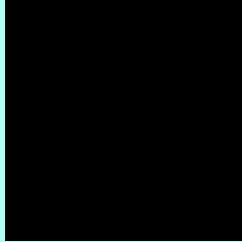
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

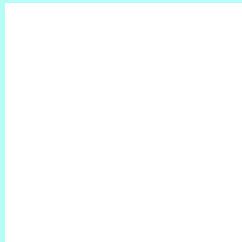
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8191, 0.2734, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 87.8191, 0.2734, 0.3376.

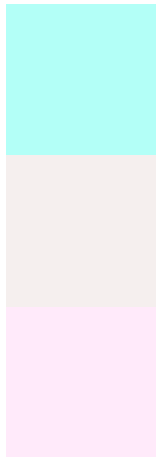


This preview shows how white text looks on a background with the Yxy color 87.8191, 0.2734, 0.3376.

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

87.8191, 0.2734, 0.3376

Protanopia

87.3185, 0.3173, 0.3300

Deuteranopia

87.0078, 0.3168, 0.3135



Tritanopia

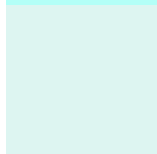
87.2765, 0.2896, 0.3187

Trichromacy



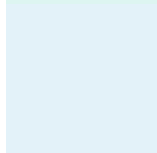
Original Color

87.8191, 0.2734, 0.3376



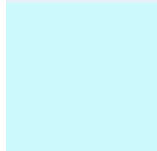
Protanomaly

87.0278, 0.2999, 0.3331



Deuteranomaly

86.6747, 0.2990, 0.3218



Tritanomaly

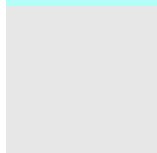
87.4761, 0.2833, 0.3258

Monochromacy



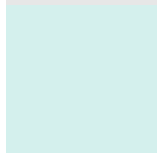
Original Color

87.8191, 0.2734, 0.3376



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4316, 0.2965, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8191, 0.2734, 0.3376 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(179, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 247)  
}
```

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(179, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 87.8191, 0.2734, 0.3376 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(179, 255, 247) }
```

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

```
.border{ border-color:rgb(179, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8191, 0.2734, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 247) }
```

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

```
.background{ background-color: rgb(179,  
255, 247) }
```

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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