

Converting Colors

$Yxy(91.1079, 0.2368, 0.2445)$

Have a look what the booklet for
Yxy(91.1079, 0.2368, 0.2445)
contains.

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Color

Yxy(84.3063, 0.2728, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	BBF7FF
RGB	187, 247, 255
RGB Percent	73%, 97%, 100%
CMY	0.2667, 0.0314, 0.0000
CMYK	0.27, 0.03, 0.00, 0.00
HSL	187°, 100%, 87%
HSV	187°, 27%, 100%
XYZ	71.8038, 84.3063, 107.1003
YIQ	229.9720, -38.3280, -10.2320

Conversions

Conversions Part 2

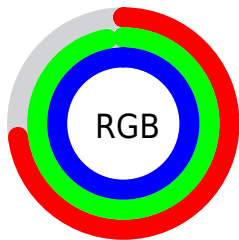
Format	Color
RYB	187, 219, 255
Decimal	12318719
CIELab	93.58, -16.96, -9.97
CIELCh	94, 19.674, 210.434
Yxy	84.3063, 0.2728, 0.3203
Android (android.graphics.Color)	4290508799 (0xFFBBF7FF)
YUV	229.9720, 12.3388, -37.6864
Hunter-Lab	91.8185, -21.0919, -4.8850

Details

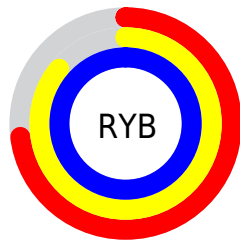
The Yxy color **84.3063, 0.2728, 0.3203** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.8742, 0.3684, 0.3375**, and the grayscale version is **79.0382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **46.2444, 0.2646, 0.3191** is the 20% darker color. If you saturate the color by 10%, you get **79.5547, 0.2595, 0.3166**, and if you desaturate by 10%, it is **89.6643, 0.2872, 0.3238**.

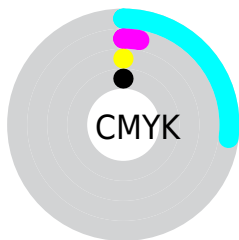
Distribution



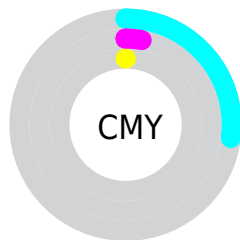
- Red (73%)
- Green (97%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3063, 0.2728, 0.3203 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 84.3063, 0.2728, 0.3203 by changing the saturation by 10% instead.


 84.3063, 0.2728,
0.3203

 84.3063, 0.2728,
0.3203


509.3298, 0.2906,
0.3245

 63.2684, 0.2689,
0.3193


 139.4036, 0.2788,
0.3218

 46.0583, 0.2642,
0.3181


174.2317, 0.2812,
0.3224

 32.2919, 0.2583,
0.3165


214.4253, 0.2833,
0.3229

 21.5845, 0.2509,
0.3143

260.3688, 0.2851,
0.3233

 13.5519, 0.2411,
0.3114

312.4466, 0.2867,
0.3236

 7.8097, 0.2277,
0.3070

371.0431, 0.2881,

 3.9734, 0.2083,

0.3240

0.3000

436.5427, 0.2894,
0.3243

1.6587, 0.1780,
0.2874

0.3967, 0.0000,
0.2585

84.3063, 0.2728,
0.3203

84.3063, 0.2728,
0.3203

79.5547, 0.2595,
0.3166

89.6643, 0.2872,
0.3238

75.3703, 0.2475,
0.3127

95.6479, 0.3023,
0.3270

71.7230, 0.2372,
0.3086

100.0000, 0.3127,
0.3290

68.5759, 0.2287,
0.3045

■ 65.8874, 0.2222,
0.3003

■ 63.6088, 0.2176,
0.2962

■ 61.6787, 0.2148,
0.2921

■ 61.0821, 0.2141,
0.2907

Harmonies

Analogous

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



84.3063, 0.2857, 0.3415



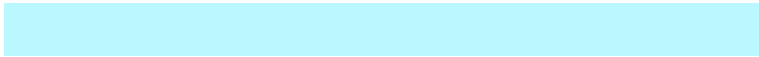
84.3063, 0.2728, 0.3203



84.3063, 0.2702, 0.3025

Triad

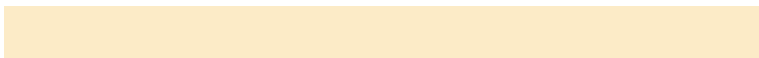
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3063, 0.2728, 0.3203



84.3063, 0.3183, 0.3009



84.3063, 0.3475, 0.3660

Complementary

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



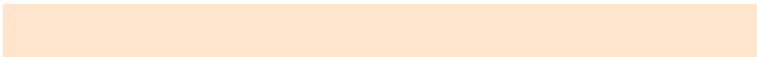
84.3063, 0.2728, 0.3203



63.8742, 0.3684, 0.3375

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.



84.3063, 0.3571, 0.3534



84.3063, 0.2728, 0.3203



84.3063, 0.3399, 0.3164

Square

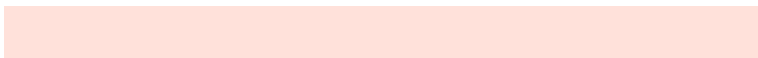
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3063, 0.2728, 0.3203



84.3063, 0.2958, 0.2923



84.3063, 0.3543, 0.3353



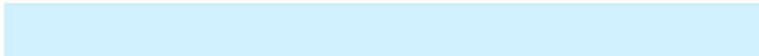
84.3063, 0.3287, 0.3686

Rectangle

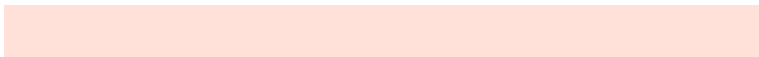
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3063, 0.2728, 0.3203



84.3063, 0.2745, 0.2949



84.3063, 0.3543, 0.3353



84.3063, 0.3520, 0.3627

Sweetspot

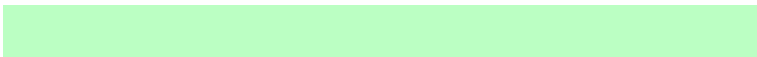
The Sweet Spot groups the original color and five complimentary colors.



84.3093, 0.2728, 0.3203



94.8135, 0.3003, 0.3266



86.0214, 0.3048, 0.3967



20.0953, 0.2980, 0.3261



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.



84.3093, 0.2728, 0.3203



81.7012, 0.2655, 0.3184



65.4055, 0.2691, 0.2823



20.0953, 0.2980, 0.3261



32.0616, 0.2143, 0.2914



3.2205, 0.2156, 0.2961

Inverse Universe

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



63.5151, 0.3218, 0.2696



57.9182, 0.3239, 0.2577



80.8488, 0.3595, 0.3716



18.2614, 0.3156, 0.3083



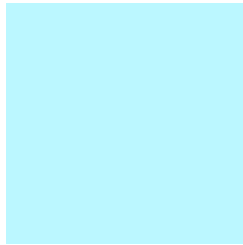
13.9646, 0.3531, 0.1719



1.3697, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 84.3063, 0.2728, 0.3203 looks on a white background.

Color Contrast Check

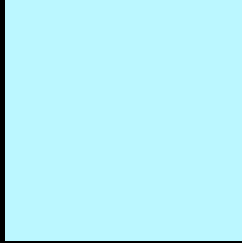
Large Text (above 18pt) WCAG AA × Fail

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 84.3063, 0.2728, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

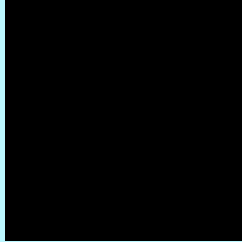
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.3063, 0.2728, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 84.3063, 0.2728, 0.3203.

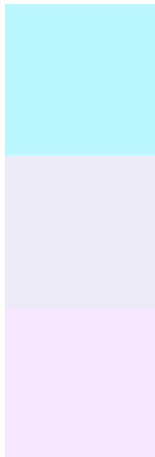


This preview shows how white text looks on a background with the Yxy color 84.3063, 0.2728, 0.3203.

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

84.3063, 0.2728, 0.3203

Protanopia

83.5656, 0.3067, 0.3159

Deuteranopia

83.4065, 0.3078, 0.3044



Tritanopia

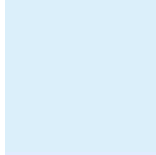
83.9897, 0.2836, 0.3153

Trichromacy



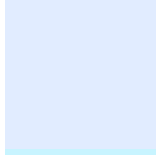
Original Color

84.3063, 0.2728, 0.3203



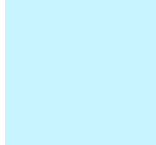
Protanomaly

83.6952, 0.2934, 0.3176



Deuteranomaly

83.2185, 0.2942, 0.3096



Tritanomaly

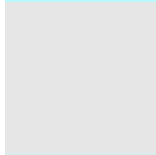
84.2007, 0.2797, 0.3173

Monochromacy



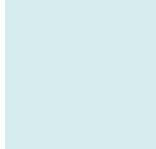
Original Color

84.3063, 0.2728, 0.3203



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.5190, 0.2966, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3063, 0.2728, 0.3203 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 247, 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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.3063, 0.2728, 0.3203 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, 247, 255) }
```

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

```
.border{ border-color:rgb(187, 247, 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, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3063, 0.2728, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 247, 255) }
```

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

```
.background{ background-color: rgb(187,  
247, 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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