

Converting Colors

Yxy(84.3882, 0.2719, 0.3208)

Have a look what the booklet for
Yxy(84.3882, 0.2719, 0.3208)
contains.

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Color

Yxy(84.6691, 0.2719, 0.3214)

Conversions

Conversions Part 1

Format	Color
Hex	B9F8FF
RGB	185, 248, 255
RGB Percent	73%, 97%, 100%
CMY	0.2743, 0.0275, 0.0002
CMYK	0.27, 0.03, 0.00, 0.00
HSL	186°, 100%, 86%
HSV	186°, 27%, 100%
XYZ	71.6289, 84.6691, 107.1404
YIQ	229.9610, -39.7950, -11.1790

Conversions

Conversions Part 2

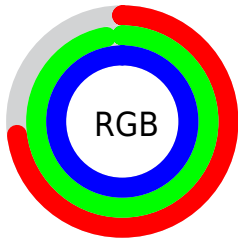
Format	Color
RYB	185, 218, 255
Decimal	12187903
CIELab	93.74, -18.01, -9.72
CIELCh	94, 20.465, 208.356
Yxy	84.6691, 0.2719, 0.3214
Android (android.graphics.Color)	4290377983 (0xFFB9F8FF)
YUV	229.9610, 12.3442, -39.4308
Hunter-Lab	92.0158, -22.0759, -4.6244

Details

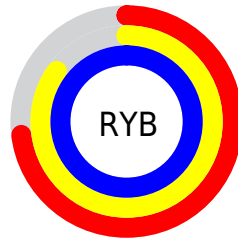
The Yxy color **84.6691, 0.2719, 0.3214** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.4641, 0.3708, 0.3364**, and the grayscale version is **79.0374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **46.5223, 0.2635, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **80.2288, 0.2588, 0.3182**, and if you desaturate by 10%, it is **89.7060, 0.2861, 0.3244**.

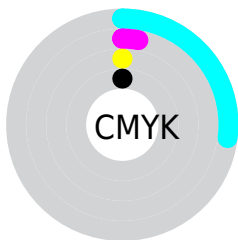
Distribution



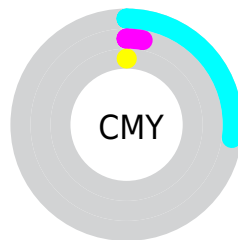
- Red (73%)
- Green (97%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- 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 84.6691, 0.2719, 0.3214 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 84.6691, 0.2719, 0.3214 by changing the saturation by 10% instead.

 84.6691, 0.2719,
0.3214

 84.6691, 0.2719,
0.3214


510.5325, 0.2900,
0.3251

 63.5680, 0.2679,
0.3205

 139.9108, 0.2781,
0.3227

 46.3009, 0.2631,
0.3194


174.8201, 0.2805,
0.3232

 32.4833, 0.2571,
0.3179


215.1010, 0.2826,
0.3237

 21.7309, 0.2495,
0.3160

261.1379, 0.2844,
0.3240

 13.6593, 0.2396,
0.3133

313.3150, 0.2861,
0.3244

 7.8841, 0.2259,
0.3093

372.0169, 0.2875,

 4.0209, 0.2063,

0.3246

0.3028

437.6280, 0.2889,
0.3249

1.6852, 0.1756,
0.2910

0.4141, 0.0000,
0.2664

84.6691, 0.2719,
0.3214

84.6691, 0.2719,
0.3214

80.2288, 0.2588,
0.3182

89.7060, 0.2861,
0.3244

76.3445, 0.2472,
0.3149

95.3574, 0.3012,
0.3271

72.9862, 0.2372,
0.3115

99.9974, 0.3127,
0.3290

70.1169, 0.2291,
0.3080

■ 67.6947, 0.2230,
0.3045

■ 65.6701, 0.2188,
0.3011

■ 63.9789, 0.2163,
0.2977

■ 63.5717, 0.2158,
0.2968

Harmonies

Analogous

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



84.6691, 0.2859, 0.3435



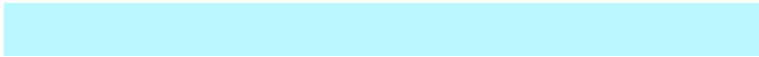
84.6691, 0.2719, 0.3214



84.6691, 0.2684, 0.3025

Triad

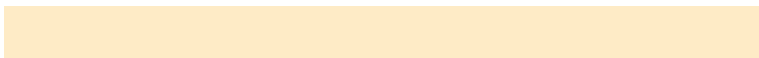
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6691, 0.2719, 0.3214



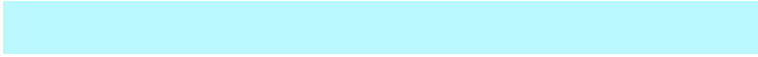
84.6691, 0.3168, 0.2990



84.6691, 0.3499, 0.3668

Complementary

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



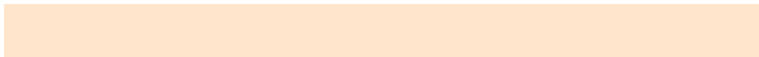
84.6691, 0.2719, 0.3214



62.4641, 0.3708, 0.3364

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.



84.6691, 0.3590, 0.3532



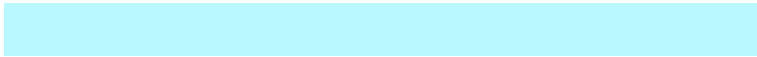
84.6691, 0.2719, 0.3214



84.6691, 0.3396, 0.3146

Square

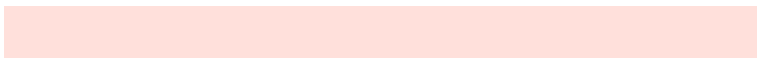
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6691, 0.2719, 0.3214



84.6691, 0.2936, 0.2907



84.6691, 0.3553, 0.3341



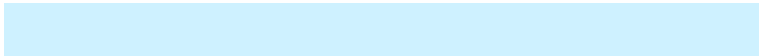
84.6691, 0.3308, 0.3704

Rectangle

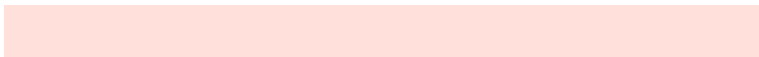
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6691, 0.2719, 0.3214



84.6691, 0.2724, 0.2942



84.6691, 0.3553, 0.3341



84.6691, 0.3543, 0.3631

Sweetspot

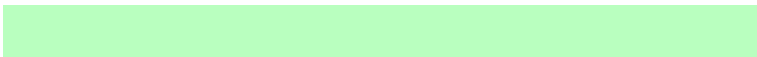
The Sweet Spot groups the original color and five complimentary colors.



84.6725, 0.2719, 0.3214



95.0448, 0.3003, 0.3270



85.5721, 0.3059, 0.4017



20.1540, 0.2980, 0.3266



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.



84.6725, 0.2719, 0.3214



82.1502, 0.2644, 0.3197



65.7239, 0.2681, 0.2835



20.1540, 0.2980, 0.3266



33.3553, 0.2159, 0.2974



3.3334, 0.2170, 0.3013

Inverse Universe

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



62.7506, 0.3211, 0.2668



57.0211, 0.3231, 0.2541



79.0595, 0.3616, 0.3706



18.2674, 0.3153, 0.3079



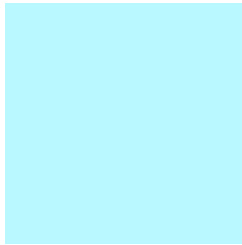
14.0952, 0.3478, 0.1689



1.3811, 0.3443, 0.1670

Previews

White Background



This preview shows how the Yxy color 84.6691, 0.2719, 0.3214 looks on a white background.

Color Contrast Check

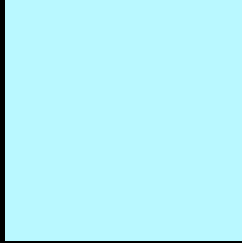
Large Text (above 18pt) WCAG AA × Fail

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 84.6691, 0.2719, 0.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

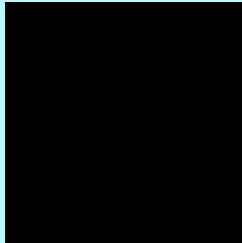
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.6691, 0.2719, 0.3214

Background



This preview shows how black text looks on a background with the Yxy color 84.6691, 0.2719, 0.3214.

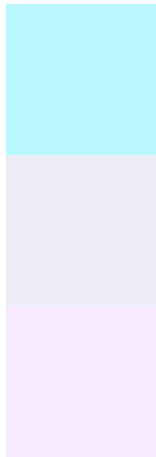


This preview shows how white text looks on a background with the Yxy color 84.6691, 0.2719, 0.3214.

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

84.6691, 0.2719, 0.3214

Protanopia

84.1366, 0.3067, 0.3169

Deuteranopia

84.1460, 0.3085, 0.3054



Tritanopia

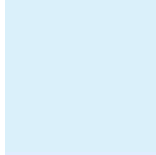
84.1342, 0.2842, 0.3153

Trichromacy



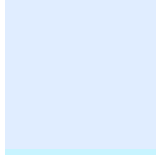
Original Color

84.6691, 0.2719, 0.3214



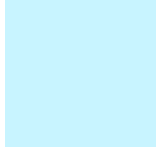
Protanomaly

84.1277, 0.2928, 0.3186



Deuteranomaly

83.6357, 0.2936, 0.3106



Tritanomaly

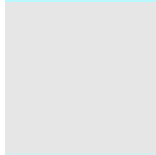
84.2007, 0.2797, 0.3173

Monochromacy



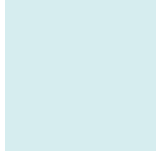
Original Color

84.6691, 0.2719, 0.3214



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.0965, 0.2966, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6691, 0.2719, 0.3214 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(185, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 248, 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(185, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.6691, 0.2719, 0.3214 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(185, 248, 255) }
```

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

```
.border{ border-color:rgb(185, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6691, 0.2719, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 248, 255) }
```

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

```
.background{ background-color: rgb(185,  
248, 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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