

Converting Colors

$Yxy(94.3565, 0.2246, 0.2155)$

Have a look what the booklet for
Yxy(94.3565, 0.2246, 0.2155)
contains.

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Color

Yxy(84.0787, 0.2743, 0.3193)

Conversions

Conversions Part 1

Format	Color
Hex	BEF6FF
RGB	190, 246, 255
RGB Percent	75%, 96%, 100%
CMY	0.2551, 0.0352, 0.0001
CMYK	0.26, 0.04, 0.00, 0.00
HSL	188°, 100%, 87%
HSV	188°, 26%, 100%
XYZ	72.2292, 84.0787, 107.0140
YIQ	230.2820, -36.2650, -9.0730

Conversions

Conversions Part 2

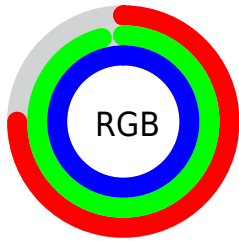
Format	Color
R_{YB}	190, 220, 255
Decimal	12515071
CIE _{Lab}	93.48, -15.64, -10.08
CIE _{LCh}	93, 18.608, 212.808
Yxy	84.0787, 0.2743, 0.3193
Android (android.graphics.Color)	4290705151 (0xFFBEF6FF)
YUV	230.2820, 12.1860, -35.3273
Hunter-Lab	91.6944, -19.8579, -5.0096

Details

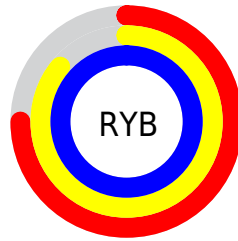
The Yxy color **84.0787, 0.2743, 0.3193** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7816, 0.3649, 0.3385**, and the grayscale version is **79.2732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **46.0550, 0.2663, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **78.9634, 0.2607, 0.3150**, and if you desaturate by 10%, it is **89.8156, 0.2889, 0.3234**.

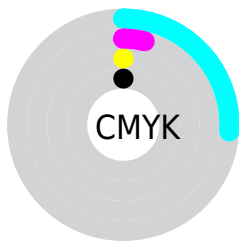
Distribution



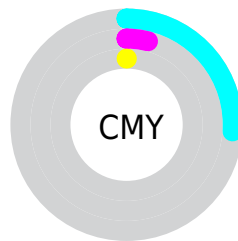
- Red (75%)
- Green (96%)
- Blue (100%)



- Red (75%)
- Yellow (86%)
- Blue (100%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0787, 0.2743, 0.3193 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 84.0787, 0.2743, 0.3193 by changing the saturation by 10% instead.

 84.0787, 0.2743,
0.3193

 84.0787, 0.2743,
0.3193


508.5745, 0.2914,
0.3239

 63.0804, 0.2705,
0.3182


 139.0853, 0.2801,
0.3209

 45.9063, 0.2660,
0.3169


173.8623, 0.2824,
0.3216

 32.1719, 0.2603,
0.3151


214.0011, 0.2844,
0.3221

 21.4928, 0.2531,
0.3128

259.8860, 0.2861,
0.3226

 13.4847, 0.2437,
0.3096

311.9014, 0.2877,
0.3230

 7.7632, 0.2307,
0.3050

370.4317, 0.2891,

 3.9438, 0.2119,

0.3233

0.2977

435.8613, 0.2903,
0.3237

1.6422, 0.1824,
0.2845

0.3858, 0.0000,
0.2538

84.0787, 0.2743,
0.3193

84.0787, 0.2743,
0.3193

78.9634, 0.2607,
0.3150

89.8156, 0.2889,
0.3234

74.4292, 0.2483,
0.3104

96.1918, 0.3042,
0.3271

70.4469, 0.2376,
0.3056

99.9989, 0.3127,
0.3290

66.9800, 0.2286,
0.3007

■ 63.9874, 0.2215,
0.2958

■ 61.4214, 0.2165,
0.2909

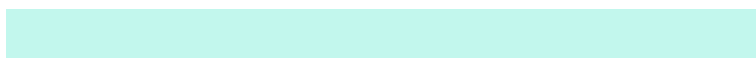
■ 59.2227, 0.2132,
0.2860

■ 58.3156, 0.2122,
0.2838

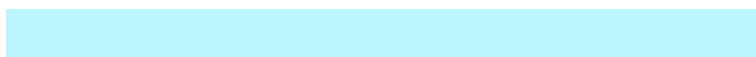
Harmonies

Analogous

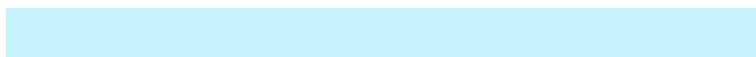
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0787, 0.2859, 0.3393



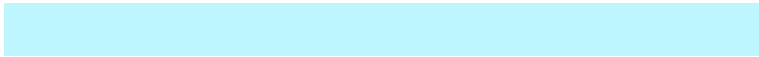
84.0787, 0.2743, 0.3193



84.0787, 0.2726, 0.3029

Triad

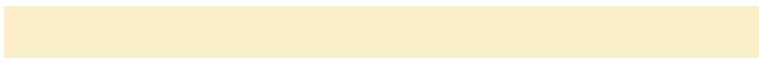
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0787, 0.2743, 0.3193



84.0787, 0.3197, 0.3033



84.0787, 0.3445, 0.3646

Complementary

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



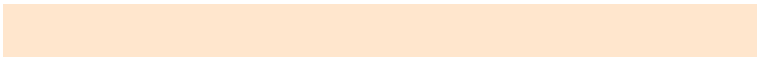
84.0787, 0.2743, 0.3193



65.7816, 0.3649, 0.3385

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.



84.0787, 0.3544, 0.3534



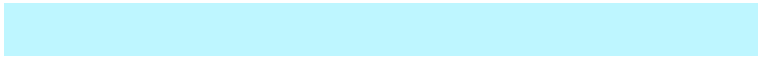
84.0787, 0.2743, 0.3193



84.0787, 0.3398, 0.3184

Square

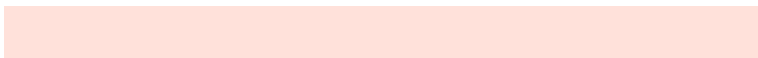
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0787, 0.2743, 0.3193



84.0787, 0.2983, 0.2945



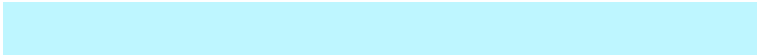
84.0787, 0.3527, 0.3365



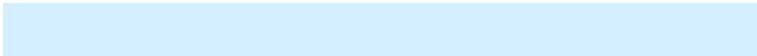
84.0787, 0.3262, 0.3662

Rectangle

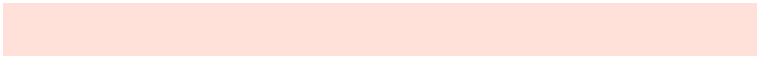
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0787, 0.2743, 0.3193



84.0787, 0.2773, 0.2961



84.0787, 0.3527, 0.3365



84.0787, 0.3490, 0.3618

Sweetspot

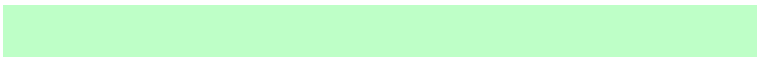
The Sweet Spot groups the original color and five complimentary colors.



84.0821, 0.2743, 0.3193



94.5528, 0.3003, 0.3262



86.5563, 0.3046, 0.3921



20.0291, 0.2980, 0.3256



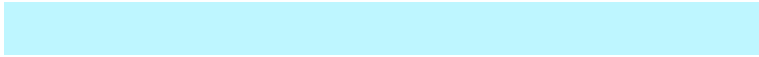
0.0000, 0.0000, 0.0000



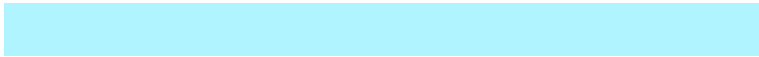
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0821, 0.2743, 0.3193



81.2067, 0.2667, 0.3170



66.1504, 0.2710, 0.2834



20.0291, 0.2980, 0.3256



30.6405, 0.2124, 0.2846



3.0960, 0.2139, 0.2902

Inverse Universe

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



64.7180, 0.3223, 0.2735



58.8289, 0.3247, 0.2613



82.2019, 0.3569, 0.3707



18.2548, 0.3159, 0.3088



13.8211, 0.3592, 0.1752



1.3571, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 84.0787, 0.2743, 0.3193 looks on a white background.

Color Contrast Check

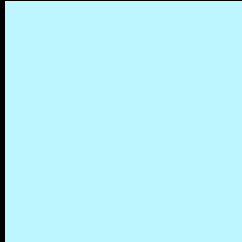
Large Text (above 18pt) WCAG AA × Fail

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 84.0787, 0.2743, 0.3193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

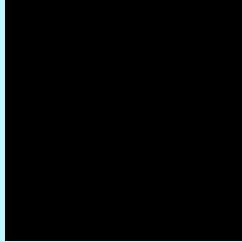
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0787, 0.2743, 0.3193

Background



This preview shows how black text looks on a background with the Yxy color 84.0787, 0.2743, 0.3193.

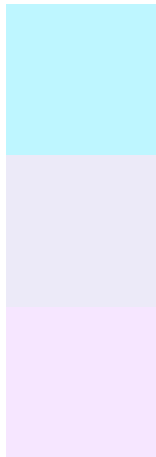


This preview shows how white text looks on a background with the Yxy color 84.0787, 0.2743, 0.3193.

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

84.0787, 0.2743, 0.3193

Protanopia

83.4558, 0.3054, 0.3149

Deuteranopia

83.4065, 0.3078, 0.3044



Tritanopia

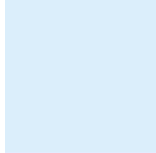
84.1342, 0.2842, 0.3153

Trichromacy



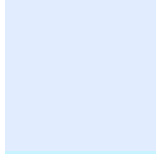
Original Color

84.0787, 0.2743, 0.3193



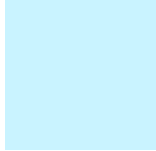
Protanomaly

83.1742, 0.2928, 0.3155



Deuteranomaly

83.3797, 0.2949, 0.3096



Tritanomaly

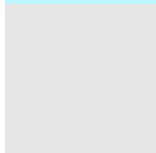
83.7387, 0.2802, 0.3162

Monochromacy



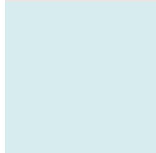
Original Color

84.0787, 0.2743, 0.3193



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.6700, 0.2972, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0787, 0.2743, 0.3193 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(190, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 246, 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(190, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.0787, 0.2743, 0.3193 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(190, 246, 255) }
```

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

```
.border{ border-color:rgb(190, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0787, 0.2743, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 246, 255) }
```

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

```
.background{ background-color: rgb(190,  
246, 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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