

Converting Colors

$Yxy(84.8035, 0.2898, 0.3199)$

Have a look what the booklet for
Yxy(84.8035, 0.2898, 0.3199)
contains.

Yxy(84.7654, 0.2899, 0.3196)	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(84.7654, 0.2899, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	D6F2FB
RGB	214, 242, 251
RGB Percent	84%, 95%, 98%
CMY	0.1609, 0.0509, 0.0157
CMYK	0.15, 0.04, 0.00, 0.02
HSL	195°, 82%, 91%
HSV	195°, 15%, 98%
XYZ	76.8883, 84.7654, 103.5697
YIQ	234.6540, -19.5770, -3.1370

Conversions

Conversions Part 2

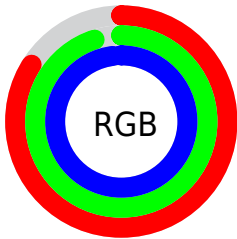
Format	Color
R _Y B	214, 230, 251
Decimal	14086907
CIE Lab	93.78, -7.31, -7.41
CIE LCh	94, 10.414, 225.384
Yxy	84.7654, 0.2899, 0.3196
Android (android.graphics.Color)	4292276987 (0xFFD6F2FB)
YUV	234.6540, 8.0586, -18.1136
Hunter-Lab	92.0681, -12.0497, -2.2491

Details

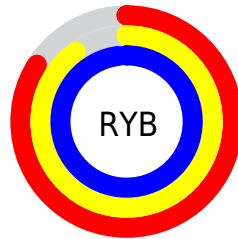
The Yxy color **84.7654, 0.2899, 0.3196** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.1103, 0.3390, 0.3382**, and the grayscale version is **82.7480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4289, 0.2846, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **77.7153, 0.2748, 0.3125**, and if you desaturate by 10%, it is **92.5250, 0.3053, 0.3261**.

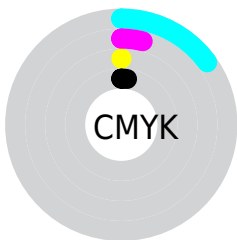
Distribution



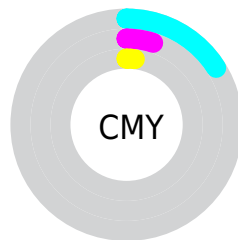
- Red (84%)
- Green (95%)
- Blue (98%)



- Red (84%)
- Yellow (90%)
- Blue (98%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7654, 0.2899, 0.3196 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 84.7654, 0.2899, 0.3196 by changing the saturation by 10% instead.

84.7654, 0.2899,
0.3196

84.7654, 0.2899,
0.3196

510.8515, 0.3001,
0.3239

63.6476, 0.2876,
0.3186

140.0454, 0.2934,
0.3211

46.3653, 0.2849,
0.3174

174.9763, 0.2947,
0.3217

32.5342, 0.2815,
0.3159

215.2803, 0.2959,
0.3222

21.7698, 0.2771,
0.3139

261.3419, 0.2970,
0.3226

13.6879, 0.2713,
0.3112

313.5454, 0.2979,
0.3230

7.9039, 0.2633,
0.3074

372.2752, 0.2987,

4.0335, 0.2515,

0.3233

0.3016

437.9158, 0.2994,
0.3237

1.6923, 0.2325,
0.2916

0.4187, 0.1361,
0.2597

84.7654, 0.2899,
0.3196

84.7654, 0.2899,
0.3196

77.7153, 0.2748,
0.3125

92.5250, 0.3053,
0.3261

71.3365, 0.2603,
0.3047

99.2288, 0.3151,
0.3321

65.6027, 0.2468,
0.2965

99.7447, 0.3150,
0.3328

60.4815, 0.2346,
0.2879

■ 55.9372, 0.2240,
0.2789

■ 51.9298, 0.2153,
0.2698

■ 48.4127, 0.2086,
0.2607

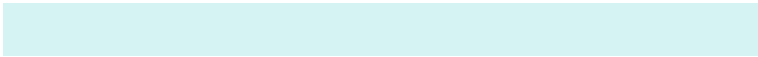
■ 45.3293, 0.2039,
0.2517

■ 43.8418, 0.2019,
0.2470

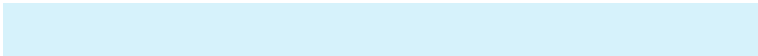
Harmonies

Analogous

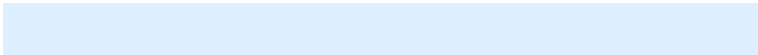
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7654, 0.2943, 0.3302



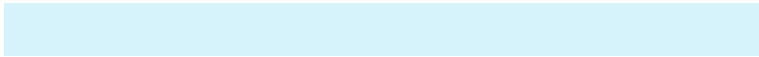
84.7654, 0.2899, 0.3196



84.7654, 0.2915, 0.3118

Triad

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



84.7654, 0.2899, 0.3196



84.7654, 0.3217, 0.3177



84.7654, 0.3267, 0.3498

Complementary

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



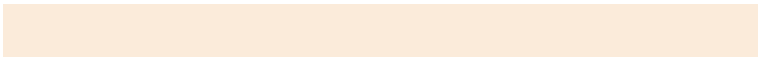
84.7654, 0.2899, 0.3196



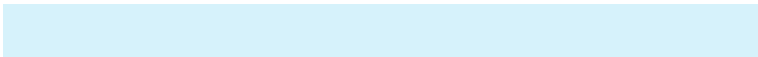
78.1103, 0.3390, 0.3382

Split Complementary

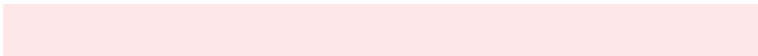
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7654, 0.3343, 0.3460



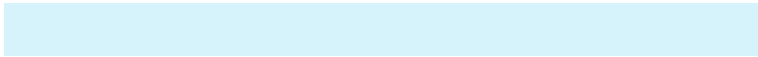
84.7654, 0.2899, 0.3196



84.7654, 0.3314, 0.3274

Square

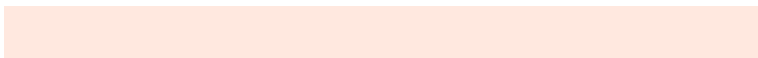
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7654, 0.2899, 0.3196



84.7654, 0.3097, 0.3110



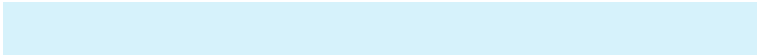
84.7654, 0.3361, 0.3377



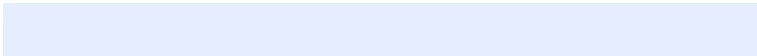
84.7654, 0.3154, 0.3480

Rectangle

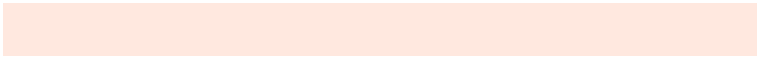
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



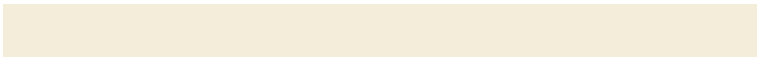
84.7654, 0.2899, 0.3196



84.7654, 0.2957, 0.3092



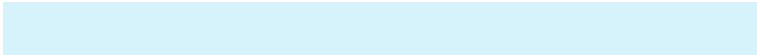
84.7654, 0.3361, 0.3377



84.7654, 0.3298, 0.3491

Sweetspot

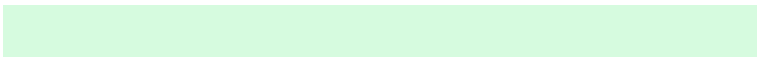
The Sweet Spot groups the original color and five complimentary colors.



84.7689, 0.2899, 0.3196



96.5482, 0.3065, 0.3266



88.5891, 0.3059, 0.3591



20.5292, 0.3053, 0.3261



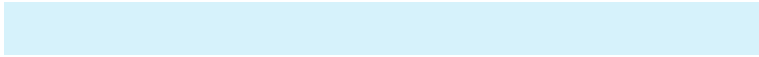
0.0000, 0.0000, 0.0000



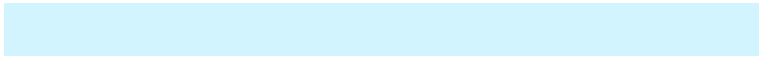
21.4041, 0.3127, 0.3290

Same Dimension

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



84.7689, 0.2899, 0.3196



85.4112, 0.2849, 0.3173



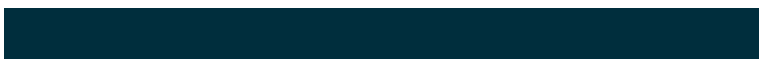
74.4832, 0.2892, 0.3002



18.8533, 0.2980, 0.3231



23.2853, 0.2024, 0.2485



2.3210, 0.2053, 0.2592

Inverse Universe

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



74.9976, 0.3205, 0.3010



73.4336, 0.3225, 0.2946



88.3440, 0.3363, 0.3562



17.4484, 0.3175, 0.3112



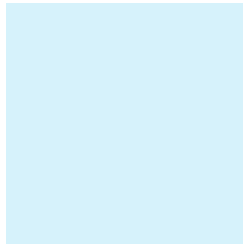
12.7616, 0.3938, 0.1943



1.1985, 0.3832, 0.1884

Previews

White Background



This preview shows how the Yxy color 84.7654, 0.2899, 0.3196 looks on a white background.

Color Contrast Check

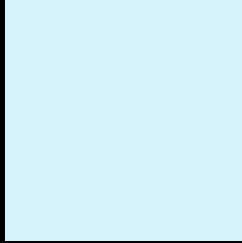
Large Text (above 18pt) WCAG AA × Fail

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 84.7654, 0.2899, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

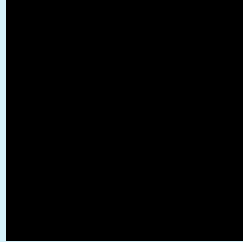
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

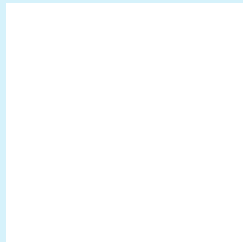
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7654, 0.2899, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 84.7654, 0.2899, 0.3196.

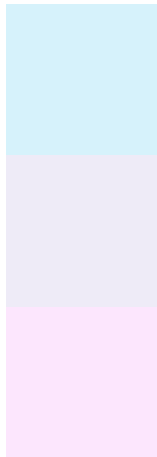


This preview shows how white text looks on a background with the Yxy color 84.7654, 0.2899, 0.3196.

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

84.7654, 0.2899, 0.3196

Protanopia

84.3092, 0.3073, 0.3169

Deuteranopia

84.3809, 0.3131, 0.3066



Tritanopia

84.7558, 0.2913, 0.3136

Trichromacy



Original Color

84.7654, 0.2899, 0.3196

Protanomaly

84.5844, 0.3009, 0.3188

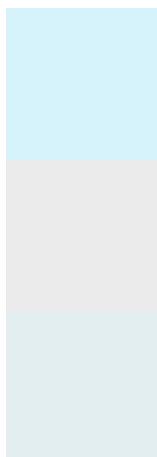
Deuteranomaly

84.0511, 0.3043, 0.3110

Tritanomaly

84.9718, 0.2906, 0.3156

Monochromacy



Original Color

84.7654, 0.2899, 0.3196

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.8308, 0.3037, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7654, 0.2899, 0.3196 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(214, 242, 251)` looks like.

```
.text, #text, p{  
    color:rgb(214, 242, 251)  
}
```

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(214, 242, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 242, 251) }
```

Border

The CSS property to change the border of an element to Yxy 84.7654, 0.2899, 0.3196 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(214, 242, 251) }
```

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

```
.border{ border-color:rgb(214, 242, 251) }
```

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

Here you see how a box with a 4 pixel rgb(214, 242, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 242, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 242, 251);  
box-shadow:4px 4px 4px 4px rgb(214, 242,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7654, 0.2899, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 242, 251) }
```

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

```
.background{ background-color: rgb(214,  
242, 251) }
```

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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