

Converting Colors

Yxy(87.6381, 0.2948, 0.3495)

Have a look what the booklet for
Yxy(87.6381, 0.2948, 0.3495)
contains.

Yxy(87.6579, 0.2947, 0.3493)	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(87.6579, 0.2947, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	CCFB E8
RGB	204, 251, 232
RGB Percent	80%, 98%, 91%
CMY	0.2001, 0.0156, 0.0903
CMYK	0.19, 0.00, 0.08, 0.02
HSL	156°, 86%, 89%
HSV	156°, 19%, 98%
XYZ	73.9559, 87.6579, 89.3393
YIQ	234.7810, -21.9130, -15.8730

Conversions

Conversions Part 2

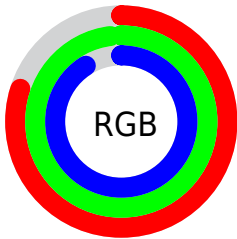
Format	Color
R _Y B	204, 233, 251
Decimal	13433832
CIE Lab	95.02, -18.64, 4.17
CIE LCh	95, 19.098, 167.383
Yxy	87.6579, 0.2947, 0.3493
Android (android.graphics.Color)	4291623912 (0xFFCCFB E8)
YUV	234.7810, -1.3710, -26.9949
Hunter-Lab	93.6258, -22.8464, 8.9626

Details

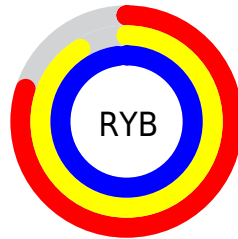
The Yxy color **87.6579, 0.2947, 0.3493** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.0169, 0.3351, 0.3096**, and the grayscale version is **82.9234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1077, 0.2908, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **83.8353, 0.2858, 0.3618**, and if you desaturate by 10%, it is **92.0928, 0.3042, 0.3380**.

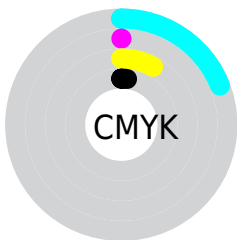
Distribution



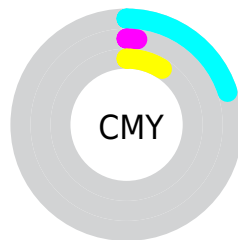
- Red (80%)
- Green (98%)
- Blue (91%)



- Red (80%)
- Yellow (91%)
- Blue (98%)



- Cyan (19%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (20%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6579, 0.2947, 0.3493 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 87.6579, 0.2947, 0.3493 by changing the saturation by 10% instead.

 87.6579, 0.2947,
0.3493

 87.6579, 0.2947,
0.3493


520.3823, 0.3028,
0.3401

 66.0398, 0.2929,
0.3514


144.0808, 0.2975,
0.3461

 48.3047, 0.2907,
0.3539


179.6544, 0.2986,
0.3449

 34.0682, 0.2879,
0.3571

220.6485, 0.2995,
0.3438

 22.9460, 0.2843,
0.3612

267.4477, 0.3003,
0.3429

 14.5537, 0.2796,
0.3667

320.4363, 0.3011,
0.3421

 8.5067, 0.2729,
0.3746

379.9986, 0.3017,

 4.4209, 0.2630,

0.3413

0.3864

446.5192, 0.3023,
0.3407

■ 1.9117, 0.2463,
0.4066

■ 0.5554, 0.0775,
0.5900

■ 87.6579, 0.2947,
0.3493

■ 87.6579, 0.2947,
0.3493

■ 83.8353, 0.2858,
0.3618

■ 92.0928, 0.3042,
0.3380


■ 80.5861, 0.2777,
0.3754


■ 97.1551, 0.3140,
0.3278

■ 77.8838, 0.2709,
0.3900


■ 97.4828, 0.3129,
0.3252


■ 75.6955, 0.2656,
0.4053

 73.9845, 0.2621,
0.4212

 72.7091, 0.2606,
0.4372

 71.8200, 0.2612,
0.4530

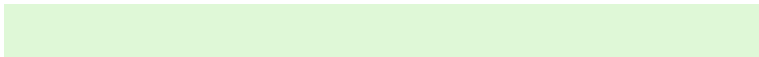
 71.2461, 0.2636,
0.4684

 71.1843, 0.2640,
0.4703

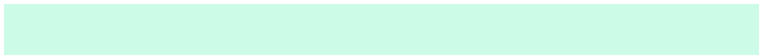
Harmonies

Analogous

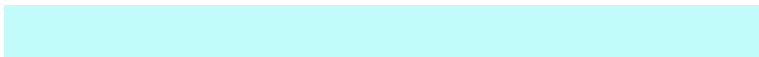
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6579, 0.3158, 0.3634



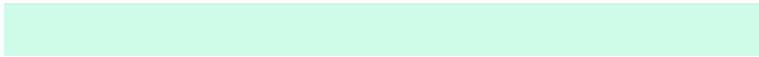
87.6579, 0.2947, 0.3493



87.6579, 0.2787, 0.3295

Triad

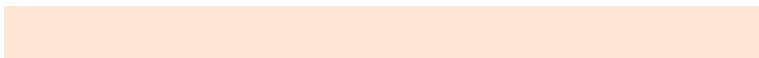
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6579, 0.2947, 0.3493



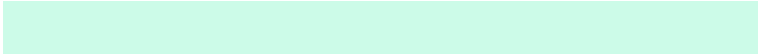
87.6579, 0.2884, 0.2928



87.6579, 0.3556, 0.3453

Complementary

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



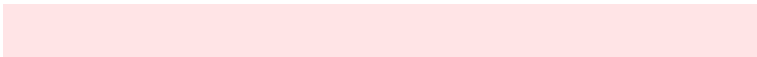
87.6579, 0.2947, 0.3493



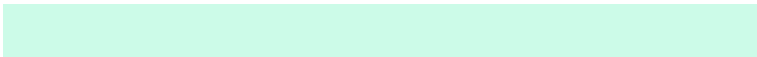
69.0169, 0.3351, 0.3096

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.



87.6579, 0.3477, 0.3271



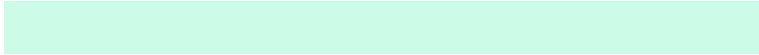
87.6579, 0.2947, 0.3493



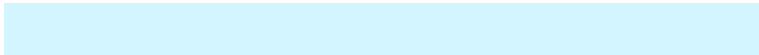
87.6579, 0.3084, 0.2975

Square

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



87.6579, 0.2947, 0.3493



87.6579, 0.2752, 0.2972



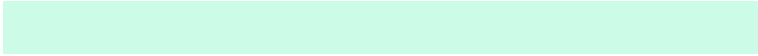
87.6579, 0.3303, 0.3098



87.6579, 0.3514, 0.3602

Rectangle

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



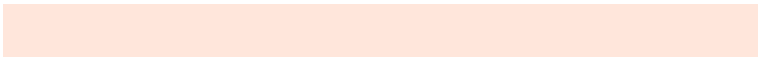
87.6579, 0.2947, 0.3493



87.6579, 0.2729, 0.3163



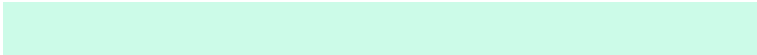
87.6579, 0.3303, 0.3098



87.6579, 0.3542, 0.3394

Sweetspot

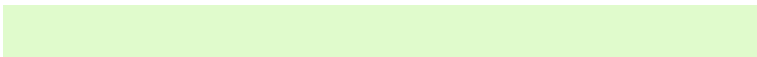
The Sweet Spot groups the original color and five complimentary colors.



87.6616, 0.2947, 0.3493



96.8201, 0.3068, 0.3351



89.1412, 0.3228, 0.3786



20.6525, 0.3062, 0.3357



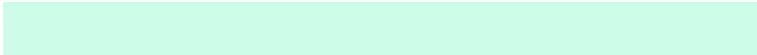
0.0000, 0.0000, 0.0000



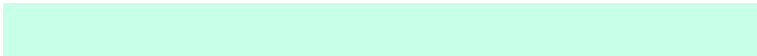
21.4041, 0.3127, 0.3290

Same Dimension

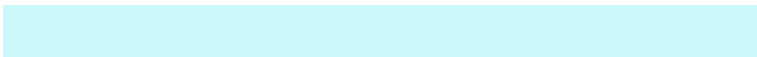
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6616, 0.2947, 0.3493



89.4906, 0.2917, 0.3533



86.3794, 0.2843, 0.3248



19.4826, 0.3034, 0.3388



37.4424, 0.2633, 0.4678



3.4888, 0.2582, 0.4494

Inverse Universe

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



69.0169, 0.3351, 0.3096



67.3143, 0.3399, 0.3060



69.9329, 0.3488, 0.3332



17.3417, 0.3230, 0.3194



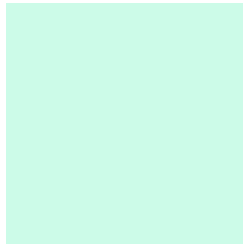
11.3081, 0.5362, 0.2727



1.0677, 0.5048, 0.2554

Previews

White Background



This preview shows how the Yxy color 87.6579, 0.2947, 0.3493 looks on a white background.

Color Contrast Check

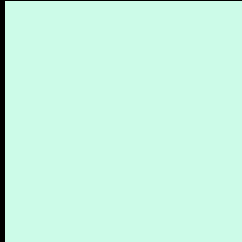
Large Text (above 18pt) WCAG AA × Fail

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 87.6579, 0.2947, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

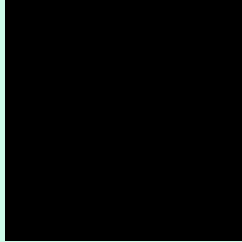
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

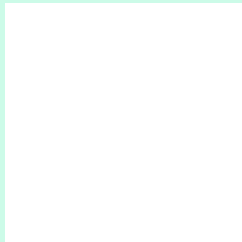
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6579, 0.2947, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 87.6579, 0.2947, 0.3493.

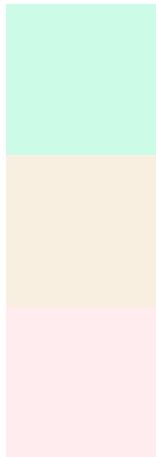


This preview shows how white text looks on a background with the Yxy color 87.6579, 0.2947, 0.3493.

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

87.6579, 0.2947, 0.3493

Protanopia

87.1257, 0.3275, 0.3431

Deuteranopia

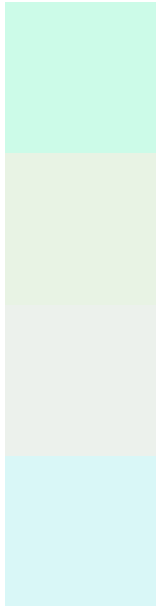
87.4240, 0.3243, 0.3271



Tritanopia

87.7687, 0.2938, 0.3178

Trichromacy



Original Color

87.6579, 0.2947, 0.3493

Protanomaly

86.8584, 0.3146, 0.3444

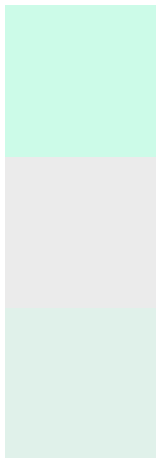
Deuteranomaly

86.7996, 0.3125, 0.3341

Tritanomaly

87.9886, 0.2941, 0.3289

Monochromacy



Original Color

87.6579, 0.2947, 0.3493

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.6984, 0.3059, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6579, 0.2947, 0.3493 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(204, 251, 232)` looks like.

```
.text, #text, p{  
    color:rgb(204, 251, 232)  
}
```

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(204, 251, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 251, 232) }
```

Border

The CSS property to change the border of an element to Yxy 87.6579, 0.2947, 0.3493 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(204, 251, 232) }
```

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

```
.border{ border-color:rgb(204, 251, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 251, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 251, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 251, 232);  
box-shadow:4px 4px 4px 4px rgb(204, 251,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6579, 0.2947, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 251, 232) }
```

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

```
.background{ background-color: rgb(204,  
251, 232) }
```

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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