

Converting Colors

$Yxy(87.3964, 0.2889, 0.3280)$

Have a look what the booklet for
Yxy(87.3964, 0.2889, 0.3280)
contains.

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Color

Yxy(87.6760, 0.2889, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	D2F8F9
RGB	210, 248, 249
RGB Percent	82%, 97%, 98%
CMY	0.1764, 0.0274, 0.0236
CMYK	0.16, 0.00, 0.00, 0.02
HSL	182°, 76%, 90%
HSV	182°, 16%, 98%
XYZ	77.2479, 87.6760, 102.4625
YIQ	236.7520, -22.9690, -7.7450

Conversions

Conversions Part 2

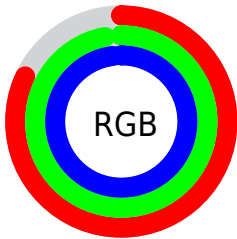
Format	Color
R _Y B	210, 229, 249
Decimal	13826297
CIE Lab	95.02, -11.94, -4.57
CIE LCh	95, 12.788, 200.927
Yxy	87.6760, 0.2889, 0.3279
Android (android.graphics.Color)	4292016377 (0xFFD2F8F9)
YUV	236.7520, 6.0383, -23.4615
Hunter-Lab	93.6355, -16.6021, 0.6656

Details

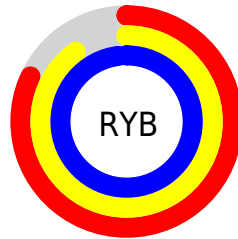
The Yxy color **87.6760, 0.2889, 0.3279** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3868, 0.3422, 0.3301**, and the grayscale version is **84.4584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5181, 0.2835, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **83.9173, 0.2749, 0.3271**, and if you desaturate by 10%, it is **92.0118, 0.3039, 0.3286**.

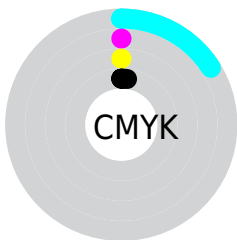
Distribution



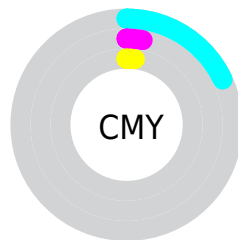
- Red (82%)
- Green (97%)
- Blue (98%)



- Red (82%)
- Yellow (90%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)





- Cyan (18%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6760, 0.2889, 0.3279 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 87.6760, 0.2889, 0.3279 by changing the saturation by 10% instead.


 87.6760, 0.2889,
0.3279

 87.6760, 0.2889,
0.3279

520.4416, 0.2995,
0.3285

 66.0548, 0.2866,
0.3277


144.1060, 0.2925,
0.3281

 48.3169, 0.2837,
0.3275


179.6836, 0.2939,
0.3282

 34.0779, 0.2802,
0.3273


220.6820, 0.2952,
0.3283

 22.9534, 0.2758,
0.3269

267.4858, 0.2962,
0.3283

 14.5591, 0.2699,
0.3264

320.4792, 0.2972,
0.3284

 8.5106, 0.2617,
0.3256

380.0467, 0.2980,

 4.4233, 0.2498,

0.3284

446.5727, 0.2988,
0.3285

0.3242

1.9131, 0.2308,
0.3215

0.5562, 0.1380,
0.3237

87.6760, 0.2889,
0.3279

87.6760, 0.2889,
0.3279

83.9173, 0.2749,
0.3271

92.0118, 0.3039,
0.3286

80.6987, 0.2621,
0.3263

96.0120, 0.3165,
0.3293

77.9954, 0.2509,
0.3255

96.4029, 0.3165,
0.3299

75.7768, 0.2415,
0.3246

96.7951, 0.3164,
0.3305

74.0086, 0.2340,
0.3238

97.1886, 0.3164,
0.3311

72.6523, 0.2285,
0.3229

97.5834, 0.3164,
0.3317

71.6629, 0.2249,
0.3221

97.9796, 0.3163,
0.3323

70.9848, 0.2230,
0.3212

98.3770, 0.3163,
0.3329

70.7507, 0.2225,
0.3209

98.7758, 0.3163,
0.3335

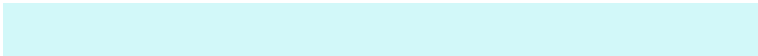
Harmonies

Analogous

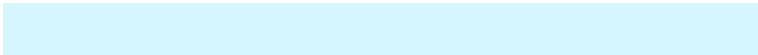
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6760, 0.2992, 0.3411



87.6760, 0.2889, 0.3279



87.6760, 0.2849, 0.3154

Triad

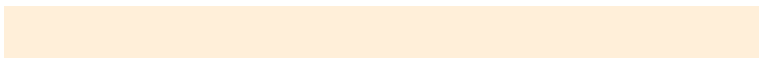
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6760, 0.2889, 0.3279



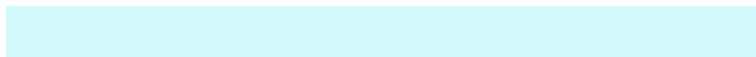
87.6760, 0.3117, 0.3083



87.6760, 0.3378, 0.3509

Complementary

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



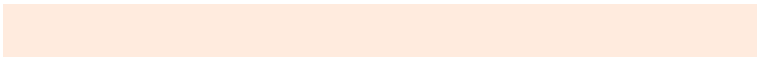
87.6760, 0.2889, 0.3279



71.3868, 0.3422, 0.3301

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.



87.6760, 0.3414, 0.3416



87.6760, 0.2889, 0.3279



87.6760, 0.3261, 0.3173

Square

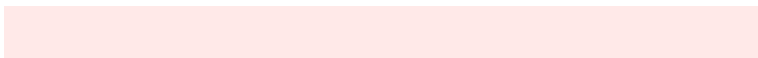
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6760, 0.2889, 0.3279



87.6760, 0.2978, 0.3045



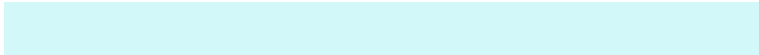
87.6760, 0.3371, 0.3294



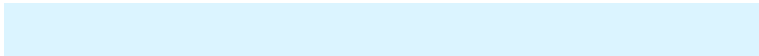
87.6760, 0.3274, 0.3545

Rectangle

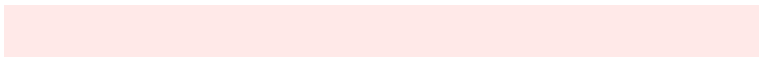
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.6760, 0.2889, 0.3279



87.6760, 0.2863, 0.3092



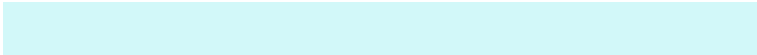
87.6760, 0.3371, 0.3294



87.6760, 0.3398, 0.3483

Sweetspot

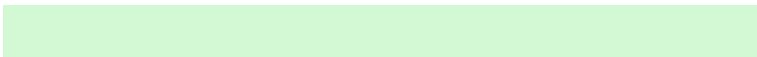
The Sweet Spot groups the original color and five complimentary colors.



87.6796, 0.2889, 0.3279



97.4557, 0.3049, 0.3287



86.1359, 0.3104, 0.3704



20.7857, 0.3038, 0.3286



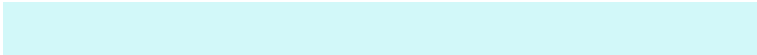
0.0000, 0.0000, 0.0000



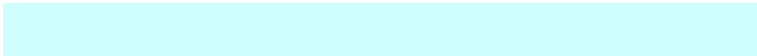
21.4041, 0.3127, 0.3290

Same Dimension

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



87.6796, 0.2889, 0.3279



91.1605, 0.2840, 0.3276



76.5041, 0.2881, 0.3075



19.5287, 0.2980, 0.3284



37.9099, 0.2225, 0.3210



3.5343, 0.2228, 0.3220

Inverse Universe

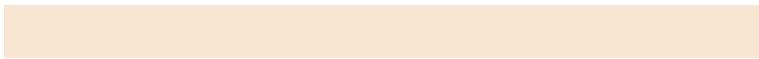
The Inverse Universe completely reimagines the original color for something new.



73.0211, 0.3152, 0.2911



72.8091, 0.3158, 0.2828



81.4725, 0.3391, 0.3496



17.5165, 0.3142, 0.3062



14.2379, 0.3273, 0.1577



1.3210, 0.3265, 0.1572

Previews

White Background



This preview shows how the Yxy color 87.6760, 0.2889, 0.3279 looks on a white background.

Color Contrast Check

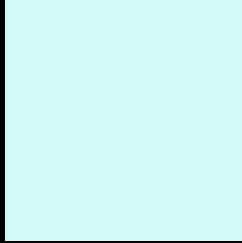
Large Text (above 18pt) WCAG AA × Fail

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 87.6760, 0.2889, 0.3279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

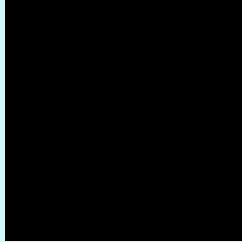
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6760, 0.2889, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 87.6760, 0.2889, 0.3279.

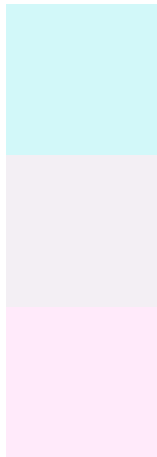


This preview shows how white text looks on a background with the Yxy color 87.6760, 0.2889, 0.3279.

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

87.6760, 0.2889, 0.3279

Protanopia

87.3193, 0.3123, 0.3240

Deuteranopia

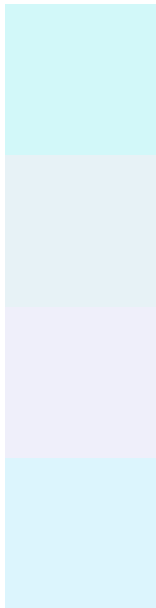
87.0078, 0.3168, 0.3135



Tritanopia

87.3287, 0.2944, 0.3168

Trichromacy



Original Color

87.6760, 0.2889, 0.3279

Protanomaly

87.1470, 0.3033, 0.3249

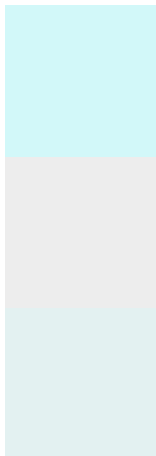
Deuteranomaly

86.9859, 0.3061, 0.3180

Tritanomaly

87.6123, 0.2925, 0.3208

Monochromacy



Original Color

87.6760, 0.2889, 0.3279

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5924, 0.3037, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6760, 0.2889, 0.3279 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(210, 248, 249)` looks like.

```
.text, #text, p{  
    color:rgb(210, 248, 249)  
}
```

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(210, 248, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 248, 249) }
```

Border

The CSS property to change the border of an element to Yxy 87.6760, 0.2889, 0.3279 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(210, 248, 249) }
```

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

```
.border{ border-color:rgb(210, 248, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 248, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 248, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 248, 249);  
box-shadow:4px 4px 4px 4px rgb(210, 248,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6760, 0.2889, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 248, 249) }
```

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

```
.background{ background-color: rgb(210,  
248, 249) }
```

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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