

Converting Colors

$Yxy(87.8166, 0.2976, 0.3483)$

Have a look what the booklet for
Yxy(87.8166, 0.2976, 0.3483)
contains.

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Color

Yxy(87.7527, 0.2977, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	D1FAE8
RGB	209, 250, 232
RGB Percent	82%, 98%, 91%
CMY	0.1802, 0.0196, 0.0904
CMYK	0.16, 0.00, 0.07, 0.02
HSL	154°, 80%, 90%
HSV	154°, 16%, 98%
XYZ	75.0473, 87.7527, 89.2905
YIQ	235.6890, -18.6580, -14.2900

Conversions

Conversions Part 2

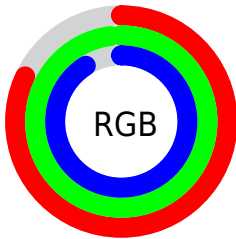
Format	Color
R _Y B	209, 235, 250
Decimal	13761256
CIE Lab	95.06, -16.56, 4.27
CIE LCh	95, 17.100, 165.524
Yxy	87.7527, 0.2977, 0.3481
Android (android.graphics.Color)	4291951336 (0xFFD1FAE8)
YUV	235.6890, -1.8187, -23.4063
Hunter-Lab	93.6764, -20.9313, 9.0595

Details

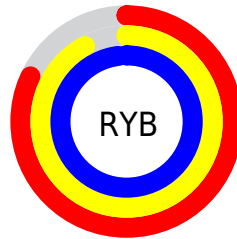
The Yxy color **87.7527, 0.2977, 0.3481** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.4939, 0.3307, 0.3107**, and the grayscale version is **83.6601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1445, 0.2945, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **83.7842, 0.2891, 0.3615**, and if you desaturate by 10%, it is **92.3399, 0.3068, 0.3360**.

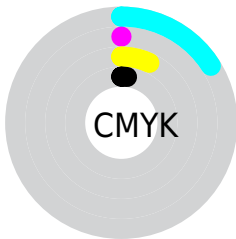
Distribution



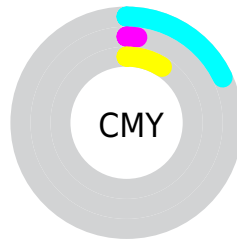
- Red (82%)
- Green (98%)
- Blue (91%)



- Red (82%)
- Yellow (92%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)




- Cyan (18%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7527, 0.2977, 0.3481 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 87.7527, 0.2977, 0.3481 by changing the saturation by 10% instead.

 87.7527, 0.2977,
0.3481

 87.7527, 0.2977,
0.3481


520.6930, 0.3045,
0.3394

 66.1183, 0.2962,
0.3500

144.2128, 0.3000,
0.3451

 48.3684, 0.2943,
0.3524


179.8073, 0.3009,
0.3440

 34.1187, 0.2920,
0.3554

220.8239, 0.3017,
0.3429

 22.9848, 0.2890,
0.3593

267.6471, 0.3024,
0.3421

 14.5823, 0.2851,
0.3645

320.6612, 0.3030,
0.3413

 8.5268, 0.2795,
0.3718

380.2506, 0.3036,

 4.4338, 0.2711,

0.3406

0.3830

446.7998, 0.3040,
0.3400

■ 1.9191, 0.2571,
0.4019

■ 0.5598, 0.1281,
0.5607

■ 87.7527, 0.2977,
0.3481

■ 87.7527, 0.2977,
0.3481

■ 83.7842, 0.2891,
0.3615

■ 92.3399, 0.3068,
0.3360

■ 80.3962, 0.2812,
0.3761

■ 96.7868, 0.3135,
0.3252

■ 77.5628, 0.2744,
0.3918

■ 96.8522, 0.3129,
0.3242

■ 75.2520, 0.2690,
0.4084

■ 73.4283, 0.2653,
0.4257

■ 72.0514, 0.2636,
0.4432

■ 71.0745, 0.2640,
0.4605

■ 70.4392, 0.2664,
0.4772

■ 70.2614, 0.2675,
0.4831

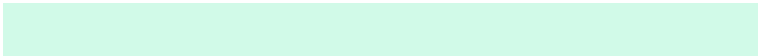
Harmonies

Analogous

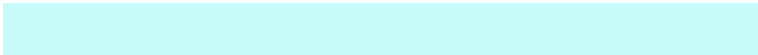
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7527, 0.3168, 0.3602



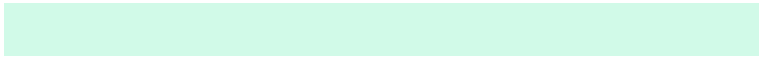
87.7527, 0.2977, 0.3481



87.7527, 0.2829, 0.3306

Triad

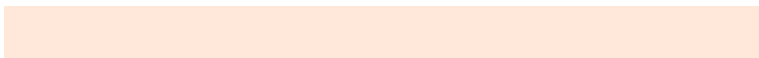
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7527, 0.2977, 0.3481



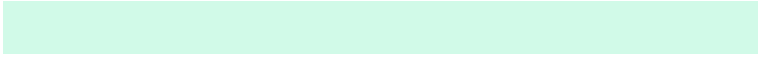
87.7527, 0.2900, 0.2965



87.7527, 0.3509, 0.3428

Complementary

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



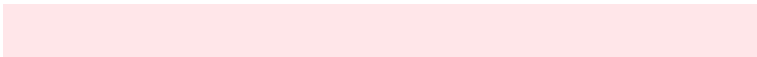
87.7527, 0.2977, 0.3481



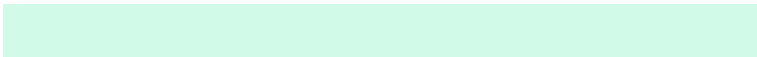
71.4939, 0.3307, 0.3107

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.



87.7527, 0.3433, 0.3263



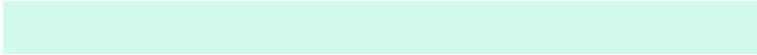
87.7527, 0.2977, 0.3481



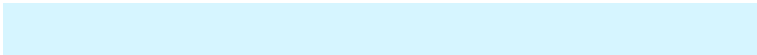
87.7527, 0.3077, 0.3002

Square

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



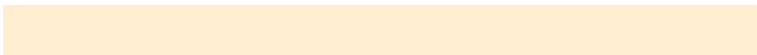
87.7527, 0.2977, 0.3481



87.7527, 0.2785, 0.3011



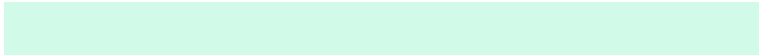
87.7527, 0.3273, 0.3110



87.7527, 0.3479, 0.3563

Rectangle

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



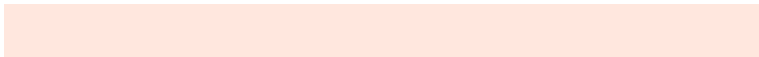
87.7527, 0.2977, 0.3481



87.7527, 0.2773, 0.3188



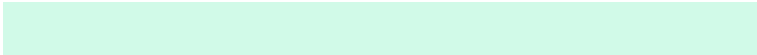
87.7527, 0.3273, 0.3110



87.7527, 0.3495, 0.3374

Sweetspot

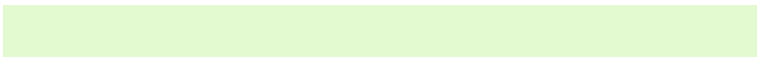
The Sweet Spot groups the original color and five complimentary colors.



87.7564, 0.2977, 0.3481



97.3050, 0.3081, 0.3345



89.3850, 0.3225, 0.3718



20.7491, 0.3074, 0.3353



0.0000, 0.0000, 0.0000



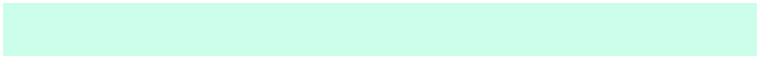
21.4041, 0.3127, 0.3290

Same Dimension

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



87.7564, 0.2977, 0.3481



90.2138, 0.2945, 0.3528



87.5690, 0.2878, 0.3268



19.4719, 0.3039, 0.3397



37.2978, 0.2668, 0.4804



3.4757, 0.2613, 0.4606

Inverse Universe

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



71.4939, 0.3307, 0.3107



69.9625, 0.3356, 0.3064



71.5602, 0.3437, 0.3312



17.3523, 0.3224, 0.3186



11.4071, 0.5214, 0.2646



1.0774, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 87.7527, 0.2977, 0.3481 looks on a white background.

Color Contrast Check

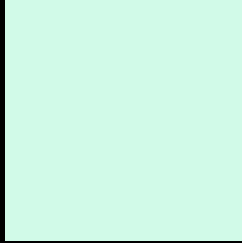
Large Text (above 18pt) WCAG AA × Fail

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 87.7527, 0.2977, 0.3481 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

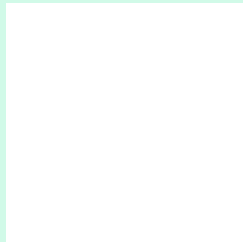
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7527, 0.2977, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 87.7527, 0.2977, 0.3481.

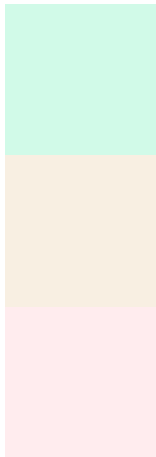


This preview shows how white text looks on a background with the Yxy color 87.7527, 0.2977, 0.3481.

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

87.7527, 0.2977, 0.3481

Protanopia

87.1804, 0.3268, 0.3421

Deuteranopia

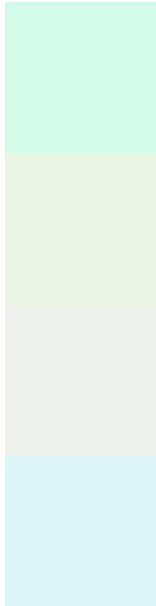
87.4240, 0.3243, 0.3271



Tritanopia

87.4899, 0.2950, 0.3168

Trichromacy



Original Color

87.7527, 0.2977, 0.3481

Protanomaly

87.1950, 0.3159, 0.3444

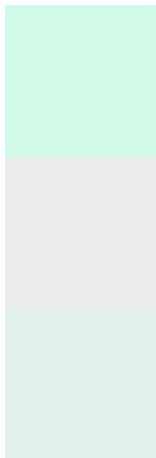
Deuteranomaly

87.1439, 0.3138, 0.3341

Tritanomaly

87.8426, 0.2959, 0.3279

Monochromacy



Original Color

87.7527, 0.2977, 0.3481

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

85.0775, 0.3066, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7527, 0.2977, 0.3481 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(209, 250, 232)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 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(209, 250, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 232) }
```

Border

The CSS property to change the border of an element to Yxy 87.7527, 0.2977, 0.3481 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(209, 250, 232) }
```

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

```
.border{ border-color:rgb(209, 250, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 232);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7527, 0.2977, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 232) }
```

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

```
.background{ background-color: rgb(209,  
250, 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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