

Converting Colors

Yxy(87.8162, 0.2896, 0.3564)

Have a look what the booklet for
Yxy(87.8162, 0.2896, 0.3564)
contains.

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Color

Yxy(87.7472, 0.2895, 0.3562)

Conversions

Conversions Part 1

Format	Color
Hex	C0FEE5
RGB	192, 254, 229
RGB Percent	75%, 100%, 90%
CMY	0.2471, 0.0039, 0.1021
CMYK	0.24, 0.00, 0.10, 0.00
HSL	156°, 97%, 87%
HSV	156°, 24%, 100%
XYZ	71.3162, 87.7472, 87.2791
YIQ	232.6120, -28.9270, -20.9190

Conversions

Conversions Part 2

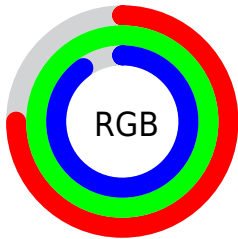
Format	Color
RYB	192, 231, 254
Decimal	12648165
CIELab	95.05, -24.34, 5.69
CIELCh	95, 24.993, 166.848
Yxy	87.7472, 0.2895, 0.3562
Android (android.graphics.Color)	4290838245 (0xFFC0FEE5)
YUV	232.6120, -1.7807, -35.6167
Hunter-Lab	93.6735, -28.0317, 10.3287

Details

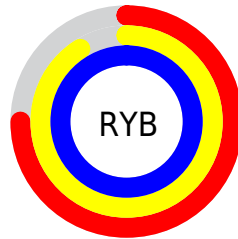
The Yxy color **87.7472, 0.2895, 0.3562** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.7790, 0.3437, 0.3034**, and the grayscale version is **81.2073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **48.3069, 0.2839, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **84.1603, 0.2810, 0.3693**, and if you desaturate by 10%, it is **91.9474, 0.2987, 0.3442**.

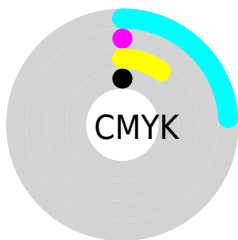
Distribution



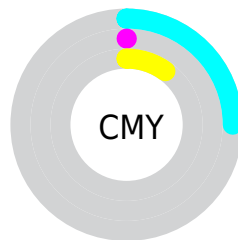
- Red (75%)
- Green (100%)
- Blue (90%)



- Red (75%)
- Yellow (91%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7472, 0.2895, 0.3562 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 87.7472, 0.2895, 0.3562 by changing the saturation by 10% instead.

 87.7472, 0.2895,
0.3562

 87.7472, 0.2895,
0.3562


520.6750, 0.3000,
0.3438

 66.1137, 0.2872,
0.3590


 144.2052, 0.2931,
0.3519

 48.3647, 0.2843,
0.3624


179.7984, 0.2945,
0.3503

 34.1158, 0.2807,
0.3668

220.8138, 0.2957,
0.3488

 22.9826, 0.2761,
0.3724

267.6355, 0.2968,
0.3476

 14.5806, 0.2699,
0.3799

320.6481, 0.2977,
0.3464

 8.5256, 0.2612,
0.3906

380.2360, 0.2986,

 4.4331, 0.2482,

0.3455

0.4071

446.7835, 0.2993,
0.3446

■ 1.9186, 0.2265,
0.4352

■ 0.5596, 0.0000,
0.7255

■ 87.7472, 0.2895,
0.3562

■ 87.7472, 0.2895,
0.3562

■ 84.1603, 0.2810,
0.3693

■ 91.9474, 0.2987,
0.3442


■ 81.1459, 0.2736,
0.3834


■ 96.7778, 0.3084,
0.3334

■ 78.6750, 0.2676,
0.3985


■ 99.3707, 0.3128,
0.3281

■ 76.7116, 0.2633,
0.4141

 75.2152, 0.2609,
0.4300

 74.1389, 0.2606,
0.4460

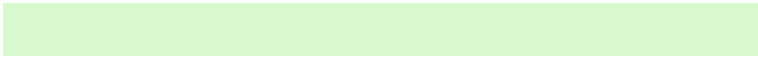
 73.4252, 0.2623,
0.4615

 73.1391, 0.2639,
0.4700

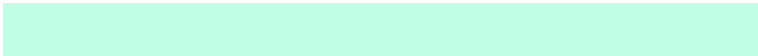
Harmonies

Analogous

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



87.7472, 0.3170, 0.3748



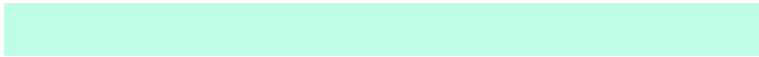
87.7472, 0.2895, 0.3562



87.7472, 0.2688, 0.3298

Triad

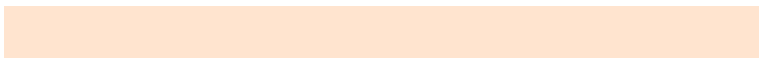
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7472, 0.2895, 0.3562



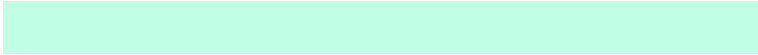
87.7472, 0.2805, 0.2821



87.7472, 0.3689, 0.3494

Complementary

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



87.7472, 0.2895, 0.3562



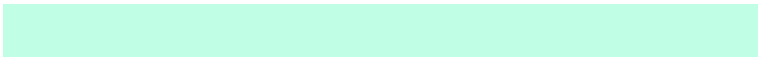
63.7790, 0.3437, 0.3034

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.



87.7472, 0.3584, 0.3257



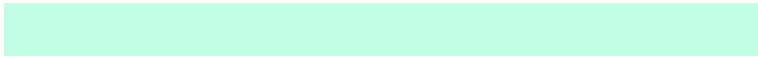
87.7472, 0.2895, 0.3562



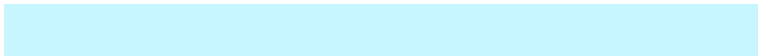
87.7472, 0.3064, 0.2881

Square

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



87.7472, 0.2895, 0.3562



87.7472, 0.2638, 0.2877



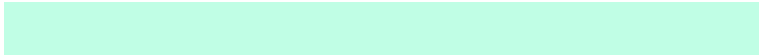
87.7472, 0.3351, 0.3038



87.7472, 0.3635, 0.3691

Rectangle

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



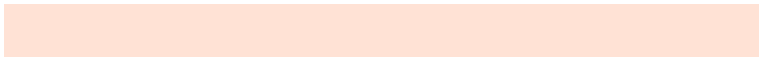
87.7472, 0.2895, 0.3562



87.7472, 0.2612, 0.3124



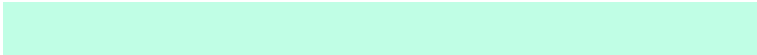
87.7472, 0.3351, 0.3038



87.7472, 0.3671, 0.3416

Sweetspot

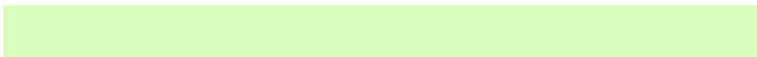
The Sweet Spot groups the original color and five complimentary colors.



87.7508, 0.2895, 0.3562



96.3147, 0.3058, 0.3361



89.5754, 0.3257, 0.3952



20.5506, 0.3053, 0.3367



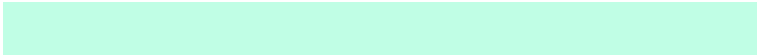
0.0000, 0.0000, 0.0000



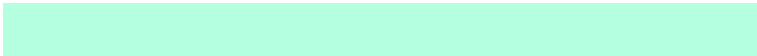
21.4041, 0.3127, 0.3290

Same Dimension

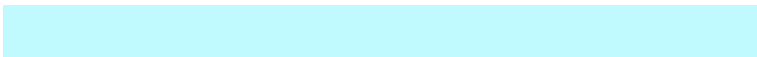
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7508, 0.2895, 0.3562



86.7935, 0.2855, 0.3621



86.0156, 0.2762, 0.3234



20.3500, 0.3034, 0.3388



38.5860, 0.2632, 0.4675



3.7786, 0.2583, 0.4500

Inverse Universe

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



63.7790, 0.3437, 0.3034



59.0269, 0.3514, 0.2983



64.8823, 0.3629, 0.3345



18.1087, 0.3230, 0.3194



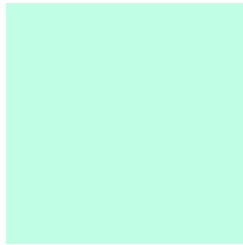
11.6480, 0.5368, 0.2731



1.1551, 0.5068, 0.2566

Previews

White Background



This preview shows how the Yxy color 87.7472, 0.2895, 0.3562 looks on a white background.

Color Contrast Check

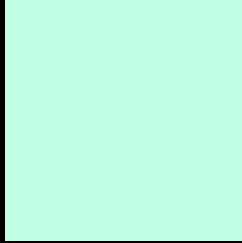
Large Text (above 18pt) WCAG AA × Fail

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 87.7472, 0.2895, 0.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

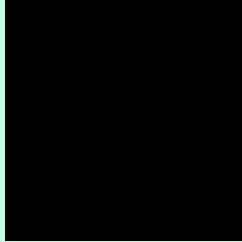
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

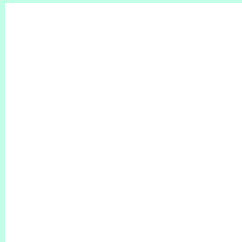
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7472, 0.2895, 0.3562

Background



This preview shows how black text looks on a background with the Yxy color 87.7472, 0.2895, 0.3562.

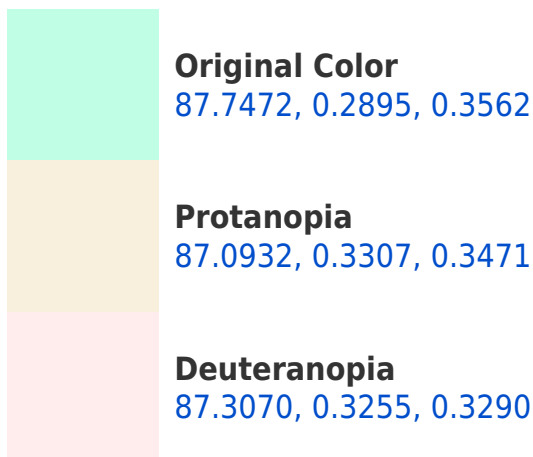


This preview shows how white text looks on a background with the Yxy color 87.7472, 0.2895, 0.3562.

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





Tritanopia

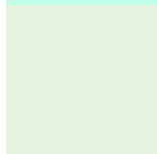
87.1370, 0.2914, 0.3177

Trichromacy



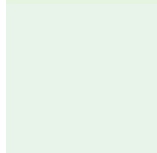
Original Color

87.7472, 0.2895, 0.3562



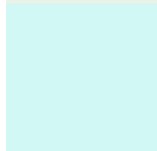
Protanomaly

86.5772, 0.3143, 0.3498



Deuteranomaly

87.1402, 0.3116, 0.3392



Tritanomaly

87.4903, 0.2905, 0.3310

Monochromacy



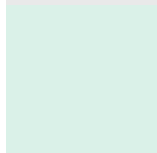
Original Color

87.7472, 0.2895, 0.3562



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6422, 0.3032, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7472, 0.2895, 0.3562 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(192, 254, 229)` looks like.

```
.text, #text, p{  
    color:rgb(192, 254, 229)  
}
```

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(192, 254, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 254, 229) }
```

Border

The CSS property to change the border of an element to Yxy 87.7472, 0.2895, 0.3562 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(192, 254, 229) }
```

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

```
.border{ border-color:rgb(192, 254, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 254, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 254, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 254, 229);  
box-shadow:4px 4px 4px 4px rgb(192, 254,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7472, 0.2895, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 254, 229) }
```

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

```
.background{ background-color: rgb(192,  
254, 229) }
```

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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