

Converting Colors

Yxy(87.9870, 0.3019, 0.3451)

Have a look what the booklet for
Yxy(87.9870, 0.3019, 0.3451)
contains.

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Color

Yxy(87.7697, 0.3020, 0.3447)

Conversions

Conversions Part 1

Format	Color
Hex	D9F8E9
RGB	217, 248, 233
RGB Percent	85%, 97%, 91%
CMY	0.1488, 0.0275, 0.0864
CMYK	0.12, 0.00, 0.06, 0.03
HSL	151°, 69%, 91%
HSV	151°, 12%, 97%
XYZ	76.8972, 87.7697, 89.9595
YIQ	237.0210, -13.6610, -11.2370

Conversions

Conversions Part 2

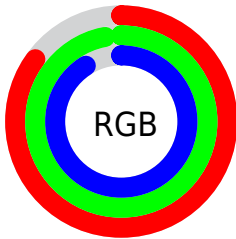
Format	Color
R _Y B	217, 237, 248
Decimal	14285033
CIE Lab	95.06, -12.82, 3.82
CIE LCh	95, 13.379, 163.408
Yxy	87.7697, 0.3020, 0.3447
Android (android.graphics.Color)	4292475113 (0xFFD9F8E9)
YUV	237.0210, -1.9824, -17.5584
Hunter-Lab	93.6855, -17.4366, 8.6479

Details

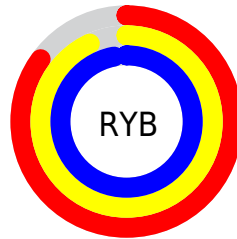
The Yxy color **87.7697, 0.3020, 0.3447** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4347, 0.3249, 0.3138**, and the grayscale version is **84.7352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5550, 0.2999, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **83.5888, 0.2937, 0.3589**, and if you desaturate by 10%, it is **92.5760, 0.3106, 0.3319**.

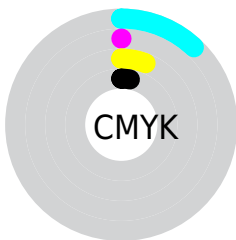
Distribution



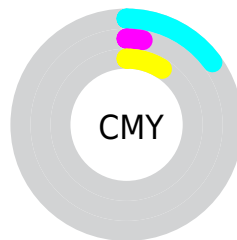
- Red (85%)
- Green (97%)
- Blue (91%)



- Red (85%)
- Yellow (93%)
- Blue (97%)



- Cyan (12%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)





- Cyan (15%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7697, 0.3020, 0.3447 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 87.7697, 0.3020, 0.3447 by changing the saturation by 10% instead.


 87.7697, 0.3020,
0.3447

 87.7697, 0.3020,
0.3447


520.7488, 0.3068,
0.3376

 66.1324, 0.3009,
0.3463


144.2365, 0.3037,
0.3423

 48.3799, 0.2996,
0.3482


179.8347, 0.3043,
0.3413

 34.1278, 0.2979,
0.3507


220.8554, 0.3049,
0.3405

 22.9918, 0.2958,
0.3538

267.6828, 0.3054,
0.3398

 14.5874, 0.2930,
0.3581

320.7015, 0.3058,
0.3391

 8.5304, 0.2890,
0.3640

380.2958, 0.3062,

 4.4361, 0.2830,

0.3386

0.3731

446.8501, 0.3065,
0.3380

■ 1.9204, 0.2729,
0.3884

■ 0.5606, 0.1956,
0.4989

■ 87.7697, 0.3020,
0.3447

■ 87.7697, 0.3020,
0.3447

■ 83.5888, 0.2937,
0.3589

■ 92.5760, 0.3106,
0.3319


■ 79.9958, 0.2861,
0.3746


■ 95.6130, 0.3130,
0.3223

■ 76.9663, 0.2793,
0.3915


■ 74.4695, 0.2737,
0.4097

 72.4719, 0.2697,
0.4286

 70.9357, 0.2676,
0.4479

 69.8175, 0.2675,
0.4670

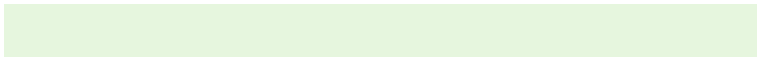
 69.0652, 0.2694,
0.4855

 68.6821, 0.2719,
0.4988

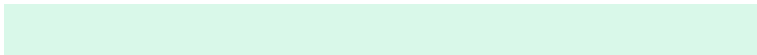
Harmonies

Analogous

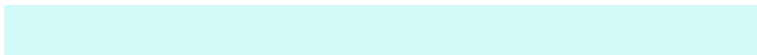
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7697, 0.3171, 0.3536



87.7697, 0.3020, 0.3447



87.7697, 0.2900, 0.3314

Triad

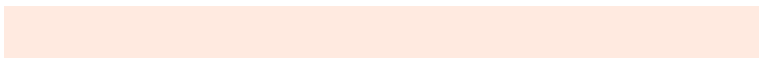
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7697, 0.3020, 0.3447



87.7697, 0.2941, 0.3035



87.7697, 0.3423, 0.3391

Complementary

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



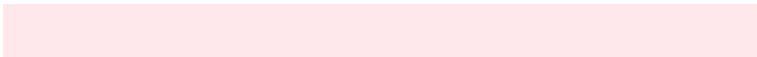
87.7697, 0.3020, 0.3447



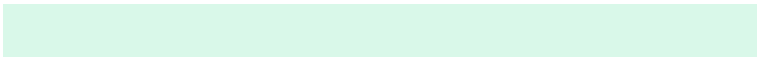
75.4347, 0.3249, 0.3138

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.



87.7697, 0.3359, 0.3261



87.7697, 0.3020, 0.3447



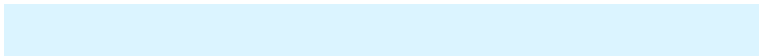
87.7697, 0.3078, 0.3059

Square

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



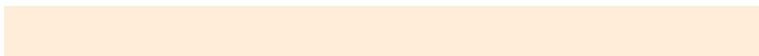
87.7697, 0.3020, 0.3447



87.7697, 0.2855, 0.3077



87.7697, 0.3231, 0.3140



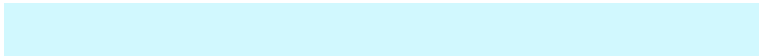
87.7697, 0.3406, 0.3499

Rectangle

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



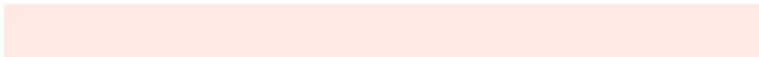
87.7697, 0.3020, 0.3447



87.7697, 0.2852, 0.3221



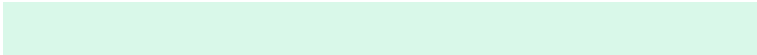
87.7697, 0.3231, 0.3140



87.7697, 0.3411, 0.3348

Sweetspot

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



87.7734, 0.3020, 0.3447



97.8018, 0.3093, 0.3338



89.3882, 0.3212, 0.3609



20.8477, 0.3086, 0.3347



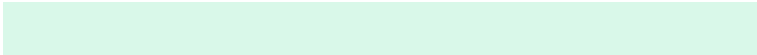
0.0000, 0.0000, 0.0000



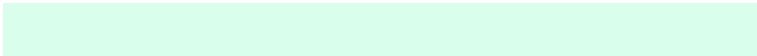
21.4041, 0.3127, 0.3290

Same Dimension

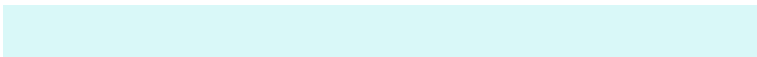
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7734, 0.3020, 0.3447



92.3150, 0.2999, 0.3482



88.6687, 0.2936, 0.3289



19.4584, 0.3045, 0.3407



37.1316, 0.2711, 0.4960



3.4605, 0.2652, 0.4746

Inverse Universe

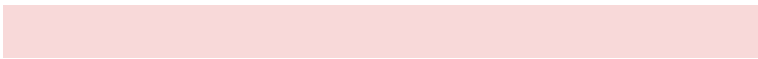
The Inverse Universe completely reimagines the original color for something new.



75.4347, 0.3249, 0.3138



76.7732, 0.3278, 0.3106



74.6169, 0.3355, 0.3291



17.3656, 0.3217, 0.3175



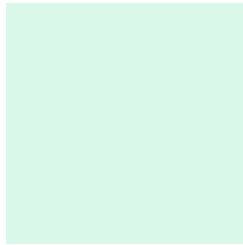
11.5458, 0.5025, 0.2542



1.0907, 0.4750, 0.2390

Previews

White Background



This preview shows how the Yxy color 87.7697, 0.3020, 0.3447 looks on a white background.

Color Contrast Check

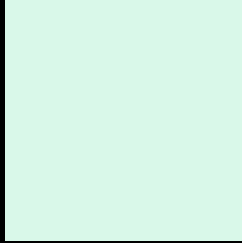
Large Text (above 18pt) WCAG AA × Fail

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 87.7697, 0.3020, 0.3447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

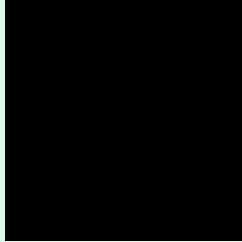
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

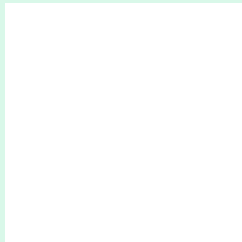
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7697, 0.3020, 0.3447

Background



This preview shows how black text looks on a background with the Yxy color 87.7697, 0.3020, 0.3447.

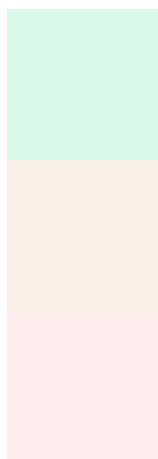


This preview shows how white text looks on a background with the Yxy color 87.7697, 0.3020, 0.3447.

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

87.7697, 0.3020, 0.3447

Protanopia

87.2909, 0.3256, 0.3400

Deuteranopia

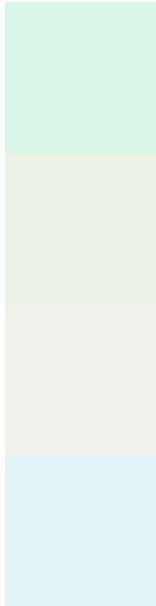
87.4240, 0.3243, 0.3271



Tritanopia

87.3823, 0.2968, 0.3159

Trichromacy



Original Color

87.7697, 0.3020, 0.3447

Protanomaly

87.2220, 0.3167, 0.3412

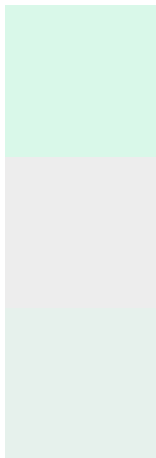
Deuteranomaly

87.0771, 0.3158, 0.3330

Tritanomaly

87.4243, 0.2989, 0.3259

Monochromacy



Original Color

87.7697, 0.3020, 0.3447

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.7897, 0.3086, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7697, 0.3020, 0.3447 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(217, 248, 233)` looks like.

```
.text, #text, p{  
    color:rgb(217, 248, 233)  
}
```

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(217, 248, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 248, 233) }
```

Border

The CSS property to change the border of an element to Yxy 87.7697, 0.3020, 0.3447 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(217, 248, 233) }
```

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

```
.border{ border-color:rgb(217, 248, 233) }
```

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

Here you see how a box with a 4 pixel rgb(217, 248, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 248, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 248, 233);  
box-shadow:4px 4px 4px 4px rgb(217, 248,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7697, 0.3020, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 248, 233) }
```

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

```
.background{ background-color: rgb(217,  
248, 233) }
```

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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