

Converting Colors

$Yxy(87.3870, 0.3096, 0.3596)$

Have a look what the booklet for
Yxy(87.3870, 0.3096, 0.3596)
contains.

Yxy(87.6704, 0.3094, 0.3597)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.6704, 0.3094, 0.3597)

Conversions

Conversions Part 1

Format	Color
Hex	D9F9DC
RGB	217, 249, 220
RGB Percent	85%, 98%, 86%
CMY	0.1490, 0.0235, 0.1373
CMYK	0.13, 0.00, 0.12, 0.02
HSL	126°, 73%, 91%
HSV	126°, 13%, 98%
XYZ	75.4107, 87.6704, 80.6509
YIQ	236.1260, -9.7630, -15.8030

Conversions

Conversions Part 2

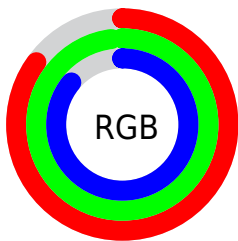
Format	Color
R_{YB}	217, 246, 249
Decimal	14285276
CIE _{Lab}	95.02, -15.66, 10.46
CIE _{LCh}	95, 18.834, 146.269
Yxy	87.6704, 0.3094, 0.3597
Android (android.graphics.Color)	4292475356 (0xFFD9F9DC)
YUV	236.1260, -7.9501, -16.7735
Hunter-Lab	93.6325, -20.0947, 14.4729

Details

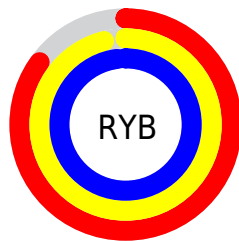
The Yxy color **87.6704, 0.3094, 0.3597** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.4280, 0.3162, 0.3001**, and the grayscale version is **84.0532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5379, 0.3085, 0.3674** is the 20% darker color. If you saturate the color by 10%, you get **83.0248, 0.3067, 0.3872**, and if you desaturate by 10%, it is **93.0608, 0.3120, 0.3354**.

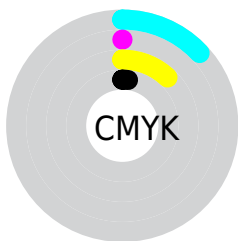
Distribution



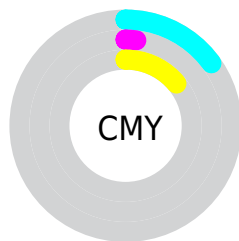
- Red (85%)
- Green (98%)
- Blue (86%)



- Red (85%)
- Yellow (96%)
- Blue (98%)



- Cyan (13%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)




- Cyan (15%)
- Magenta (2%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6704, 0.3094, 0.3597 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 87.6704, 0.3094, 0.3597 by changing the saturation by 10% instead.


 87.6704, 0.3094,
0.3597

 87.6704, 0.3094,
0.3597

520.4233, 0.3110,
0.3457

 66.0501, 0.3090,
0.3629


144.0982, 0.3100,
0.3549

 48.3131, 0.3085,
0.3668


179.6745, 0.3102,
0.3530

 34.0749, 0.3079,
0.3717


220.6717, 0.3104,
0.3513

 22.9511, 0.3070,
0.3781

267.4740, 0.3106,
0.3499

 14.5574, 0.3057,
0.3867

320.4659, 0.3107,
0.3487

 8.5094, 0.3038,
0.3990

380.0319, 0.3108,

 4.4226, 0.3007,

0.3475

0.4178

446.5562, 0.3109,
0.3465

■ 1.9126, 0.2945,
0.4503

■ 0.5560, 0.2081,
0.7919

■ 87.6704, 0.3094,
0.3597

■ 87.6704, 0.3094,
0.3597

■ 83.0248, 0.3067,
0.3872

■ 93.0608, 0.3120,
0.3354

■ 79.0806, 0.3041,
0.4176

■ 96.2336, 0.3130,
0.3233

■ 75.8071, 0.3016,
0.4503

■ 73.1668, 0.2995,
0.4840

■ 71.1186, 0.2979,
0.5168

■ 69.6166, 0.2971,
0.5464

■ 68.6079, 0.2971,
0.5706

■ 68.0291, 0.2979,
0.5875

■ 67.8162, 0.2986,
0.5951

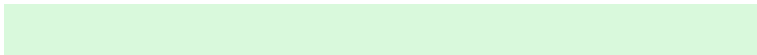
Harmonies

Analogous

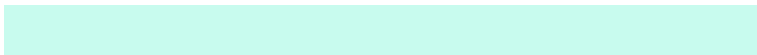
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6704, 0.3306, 0.3667



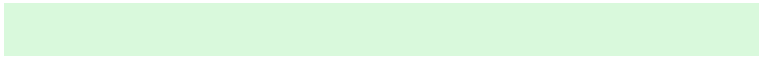
87.6704, 0.3094, 0.3597



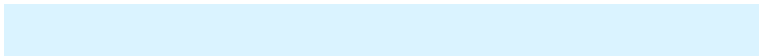
87.6704, 0.2895, 0.3435

Triad

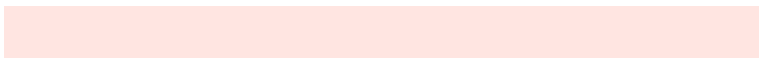
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6704, 0.3094, 0.3597



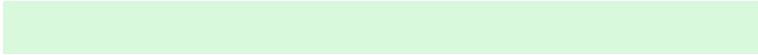
87.6704, 0.2786, 0.2954



87.6704, 0.3507, 0.3325

Complementary

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



87.6704, 0.3094, 0.3597



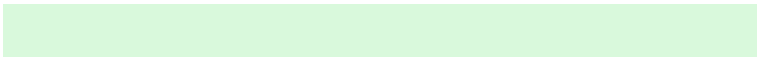
76.4280, 0.3162, 0.3001

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.



87.6704, 0.3358, 0.3148



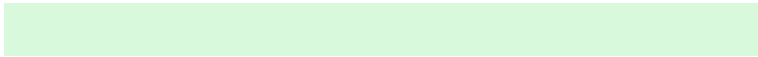
87.6704, 0.3094, 0.3597



87.6704, 0.2940, 0.2938

Square

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



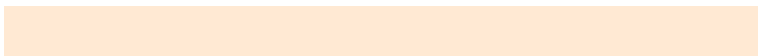
87.6704, 0.3094, 0.3597



87.6704, 0.2722, 0.3060



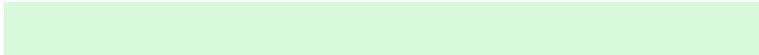
87.6704, 0.3149, 0.3008



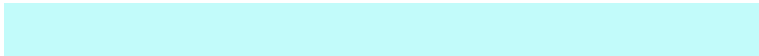
87.6704, 0.3550, 0.3500

Rectangle

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



87.6704, 0.3094, 0.3597



87.6704, 0.2796, 0.3302



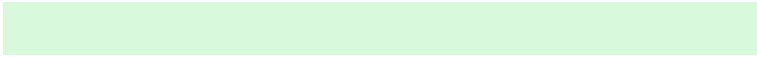
87.6704, 0.3149, 0.3008



87.6704, 0.3468, 0.3264

Sweetspot

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



87.6741, 0.3094, 0.3597



97.5350, 0.3117, 0.3380



92.4179, 0.3302, 0.3610



20.7804, 0.3115, 0.3398



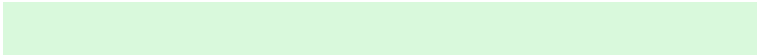
0.0000, 0.0000, 0.0000



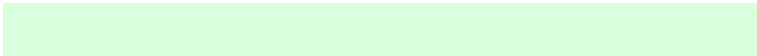
21.4041, 0.3127, 0.3290

Same Dimension

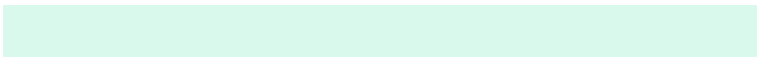
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6741, 0.3094, 0.3597



91.4173, 0.3088, 0.3654



88.5444, 0.3004, 0.3429



19.3355, 0.3103, 0.3512



36.3085, 0.2983, 0.5938



3.3714, 0.2946, 0.5806

Inverse Universe

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



76.4280, 0.3162, 0.3001



77.7496, 0.3168, 0.2951



75.5051, 0.3269, 0.3155



17.4951, 0.3152, 0.3078



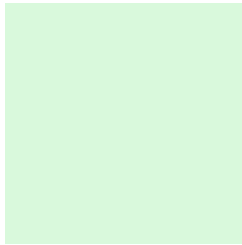
13.7255, 0.3459, 0.1679



1.2791, 0.3425, 0.1661

Previews

White Background



This preview shows how the Yxy color 87.6704, 0.3094, 0.3597 looks on a white background.

Color Contrast Check

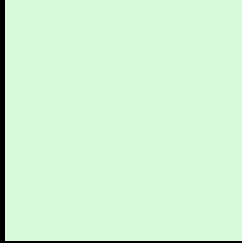
Large Text (above 18pt) WCAG AA × Fail

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 87.6704, 0.3094, 0.3597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

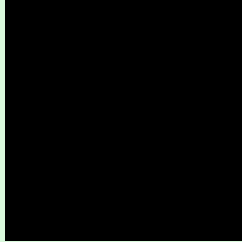
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

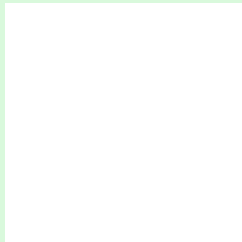
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6704, 0.3094, 0.3597

Background



This preview shows how black text looks on a background with the Yxy color 87.6704, 0.3094, 0.3597.

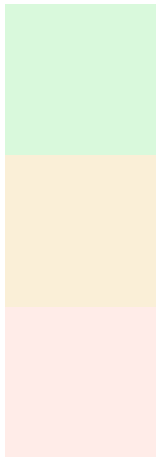


This preview shows how white text looks on a background with the Yxy color 87.6704, 0.3094, 0.3597.

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

87.6704, 0.3094, 0.3597

Protanopia

86.9633, 0.3353, 0.3532

Deuteranopia

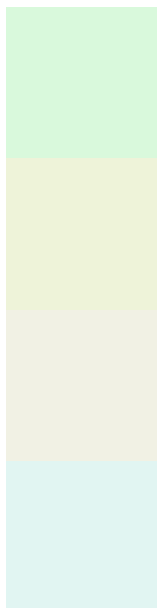
87.0771, 0.3281, 0.3330



Tritanopia

87.5473, 0.2974, 0.3159

Trichromacy



Original Color

87.6704, 0.3094, 0.3597

Protanomaly

87.2881, 0.3253, 0.3557

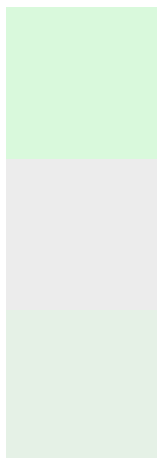
Deuteranomaly

87.2128, 0.3207, 0.3422

Tritanomaly

87.7232, 0.3018, 0.3320

Monochromacy



Original Color

87.6704, 0.3094, 0.3597

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

85.2818, 0.3115, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6704, 0.3094, 0.3597 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, 249, 220)` looks like.

```
.text, #text, p{  
    color:rgb(217, 249, 220)  
}
```

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, 249, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 249, 220) }
```

Border

The CSS property to change the border of an element to Yxy 87.6704, 0.3094, 0.3597 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, 249, 220) }
```

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

```
.border{ border-color:rgb(217, 249, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 249, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 249, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 249, 220);  
box-shadow:4px 4px 4px 4px rgb(217, 249,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6704, 0.3094, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 249, 220) }
```

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

```
.background{ background-color: rgb(217,  
249, 220) }
```

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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