

Converting Colors

$Yxy(87.1978, 0.2994, 0.3495)$

Have a look what the booklet for
Yxy(87.1978, 0.2994, 0.3495)
contains.

Yxy(87.1662, 0.2994, 0.3492)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.1662, 0.2994, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	D2F9E6
RGB	210, 249, 230
RGB Percent	82%, 98%, 90%
CMY	0.1764, 0.0235, 0.0982
CMYK	0.16, 0.00, 0.08, 0.02
HSL	151°, 76%, 90%
HSV	151°, 16%, 98%
XYZ	74.7353, 87.1662, 87.7154
YIQ	235.1730, -17.1450, -14.1770

Conversions

Conversions Part 2

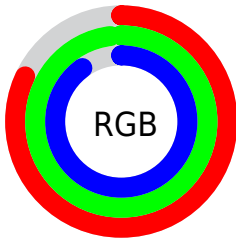
Format	Color
R _{YB}	210, 236, 249
Decimal	13826534
CIE Lab	94.81, -16.13, 4.95
CIE LCh	95, 16.874, 162.926
Yxy	87.1662, 0.2994, 0.3492
Android (android.graphics.Color)	4292016614 (0xFFD2F9E6)
YUV	235.1730, -2.5503, -22.0767
Hunter-Lab	93.3628, -20.4989, 9.6504

Details

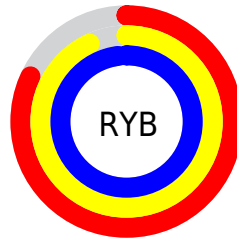
The Yxy color **87.1662, 0.2994, 0.3492** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9037, 0.3285, 0.3096**, and the grayscale version is **83.2484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7630, 0.2959, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **83.1347, 0.2913, 0.3640**, and if you desaturate by 10%, it is **91.8213, 0.3079, 0.3359**.

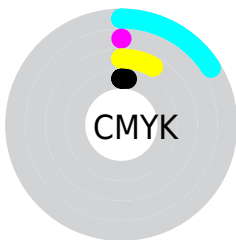
Distribution



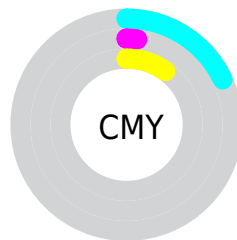
- Red (82%)
- Green (98%)
- Blue (90%)



- Red (82%)
- Yellow (93%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (18%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1662, 0.2994, 0.3492 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 87.1662, 0.2994, 0.3492 by changing the saturation by 10% instead.

 87.1662, 0.2994,
0.3492

 87.1662, 0.2994,
0.3492

518.7688, 0.3054,
0.3400

 65.6328, 0.2980,
0.3513

143.3958, 0.3015,
0.3460

 47.9743, 0.2964,
0.3538


178.8607, 0.3023,
0.3448

 33.8066, 0.2943,
0.3570


219.7382, 0.3030,
0.3437

 22.7450, 0.2916,
0.3611

266.4127, 0.3036,
0.3428

 14.4054, 0.2880,
0.3667

319.2687, 0.3041,
0.3420

 8.4031, 0.2830,
0.3745

378.6904, 0.3046,

 4.3540, 0.2753,

0.3412

0.3866

445.0623, 0.3051,
0.3406

1.8735, 0.2624,
0.4071

0.5324, 0.1278,
0.6064

87.1662, 0.2994,
0.3492

87.1662, 0.2994,
0.3492

83.1347, 0.2913,
0.3640

91.8213, 0.3079,
0.3359

79.6888, 0.2839,
0.3802

96.1891, 0.3134,
0.3240

76.8027, 0.2775,
0.3977

96.2349, 0.3130,
0.3233

74.4448, 0.2725,
0.4162

■ 72.5796, 0.2691,
0.4355

■ 71.1677, 0.2676,
0.4549

■ 70.1627, 0.2682,
0.4740

■ 69.5079, 0.2707,
0.4923

■ 69.2961, 0.2722,
0.4999

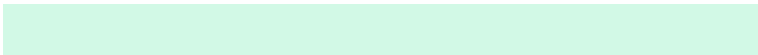
Harmonies

Analogous

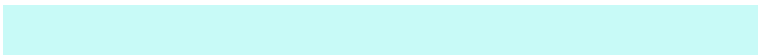
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1662, 0.3184, 0.3604



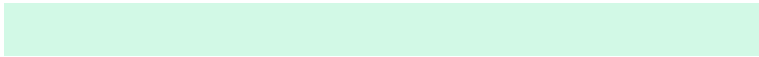
87.1662, 0.2994, 0.3492



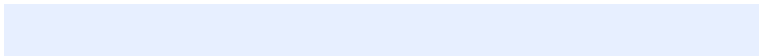
87.1662, 0.2842, 0.3322

Triad

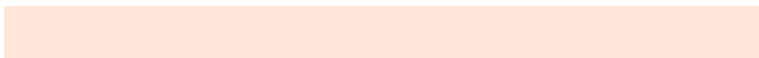
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1662, 0.2994, 0.3492



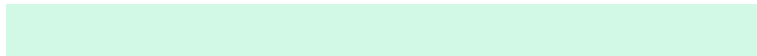
87.1662, 0.2889, 0.2969



87.1662, 0.3502, 0.3413

Complementary

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



87.1662, 0.2994, 0.3492



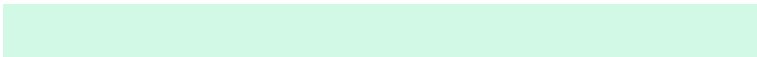
71.9037, 0.3285, 0.3096

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.



87.1662, 0.3418, 0.3249



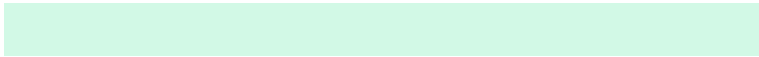
87.1662, 0.2994, 0.3492



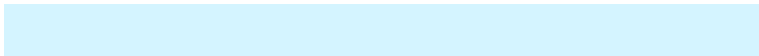
87.1662, 0.3061, 0.2999

Square

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



87.1662, 0.2994, 0.3492



87.1662, 0.2783, 0.3021



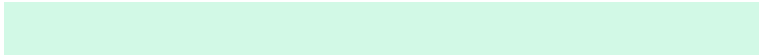
87.1662, 0.3255, 0.3100



87.1662, 0.3481, 0.3551

Rectangle

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



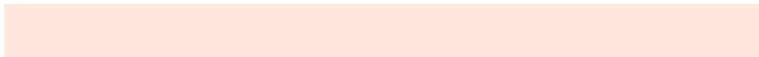
87.1662, 0.2994, 0.3492



87.1662, 0.2782, 0.3203



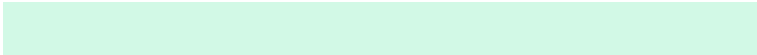
87.1662, 0.3255, 0.3100



87.1662, 0.3485, 0.3359

Sweetspot

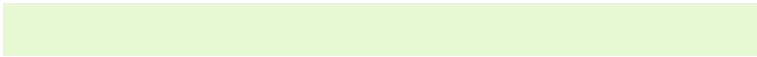
The Sweet Spot groups the original color and five complimentary colors.



87.1699, 0.2994, 0.3492



97.2668, 0.3084, 0.3351



89.1512, 0.3233, 0.3696



20.7398, 0.3078, 0.3360



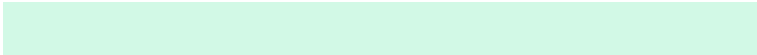
0.0000, 0.0000, 0.0000



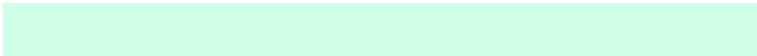
21.4041, 0.3127, 0.3290

Same Dimension

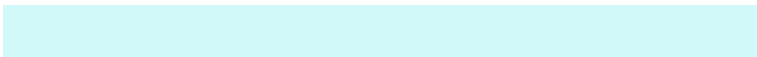
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1699, 0.2994, 0.3492



90.5087, 0.2966, 0.3540



88.2990, 0.2889, 0.3289



19.4574, 0.3046, 0.3408



37.1201, 0.2714, 0.4971



3.4594, 0.2655, 0.4756

Inverse Universe

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



71.9037, 0.3285, 0.3096



71.3936, 0.3325, 0.3053



70.8969, 0.3424, 0.3291



17.3666, 0.3217, 0.3175



11.5567, 0.5011, 0.2534



1.0917, 0.4738, 0.2384

Previews

White Background



This preview shows how the Yxy color 87.1662, 0.2994, 0.3492 looks on a white background.

Color Contrast Check

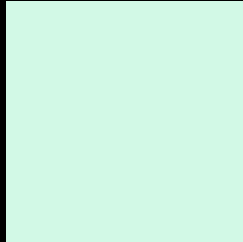
Large Text (above 18pt) WCAG AA × Fail

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 87.1662, 0.2994, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

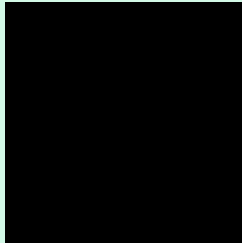
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

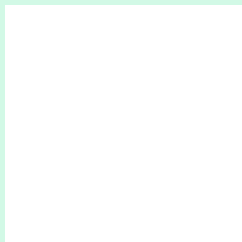
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1662, 0.2994, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 87.1662, 0.2994, 0.3492.

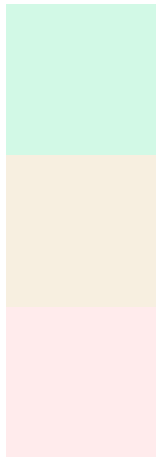


This preview shows how white text looks on a background with the Yxy color 87.1662, 0.2994, 0.3492.

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

87.1662, 0.2994, 0.3492

Protanopia

86.8890, 0.3274, 0.3441

Deuteranopia

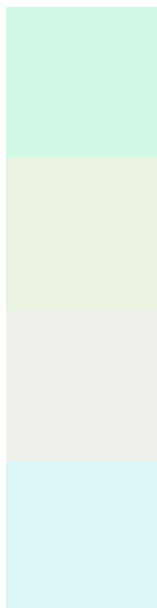
86.7328, 0.3256, 0.3281



Tritanopia

86.7318, 0.2944, 0.3158

Trichromacy



Original Color

87.1662, 0.2994, 0.3492

Protanomaly

87.0846, 0.3171, 0.3465

Deuteranomaly

86.6114, 0.3157, 0.3351

Tritanomaly

87.1743, 0.2964, 0.3279

Monochromacy



Original Color

87.1662, 0.2994, 0.3492

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.3721, 0.3078, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1662, 0.2994, 0.3492 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, 249, 230)` looks like.

```
.text, #text, p{  
    color:rgb(210, 249, 230)  
}
```

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, 249, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 249, 230) }
```

Border

The CSS property to change the border of an element to Yxy 87.1662, 0.2994, 0.3492 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, 249, 230) }
```

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

```
.border{ border-color:rgb(210, 249, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 249, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 249, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 249, 230);  
box-shadow:4px 4px 4px 4px rgb(210, 249,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1662, 0.2994, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 249, 230) }
```

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

```
.background{ background-color: rgb(210,  
249, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor