

Converting Colors

Yxy(88.9581, 0.3102, 0.3551)

Have a look what the booklet for
Yxy(88.9581, 0.3102, 0.3551)
contains.

Yxy(88.6628, 0.3102, 0.3551)	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(88.6628, 0.3102, 0.3551)

Conversions

Conversions Part 1

Format	Color
Hex	DEF9E0
RGB	222, 249, 224
RGB Percent	87%, 98%, 88%
CMY	0.1295, 0.0235, 0.1215
CMYK	0.11, 0.00, 0.10, 0.02
HSL	125°, 69%, 92%
HSV	125°, 11%, 98%
XYZ	77.4520, 88.6628, 83.5692
YIQ	238.0770, -8.0670, -13.4990

Conversions

Conversions Part 2

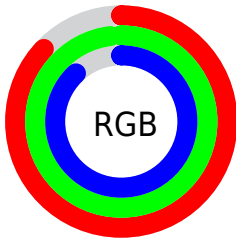
Format	Color
R _Y B	222, 247, 249
Decimal	14612960
CIE Lab	95.44, -13.32, 9.02
CIE LCh	95, 16.090, 145.897
Yxy	88.6628, 0.3102, 0.3551
Android (android.graphics.Color)	4292803040 (0xFFDEF9E0)
YUV	238.0770, -6.9400, -14.0995
Hunter-Lab	94.1609, -17.9566, 13.2919

Details

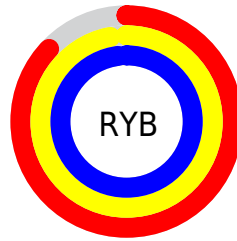
The Yxy color **88.6628, 0.3102, 0.3551** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.0862, 0.3153, 0.3042**, and the grayscale version is **85.6231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2200, 0.3096, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **83.8554, 0.3078, 0.3825**, and if you desaturate by 10%, it is **94.2274, 0.3125, 0.3309**.

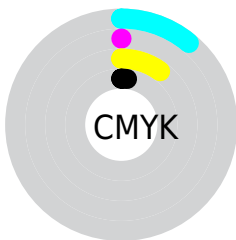
Distribution



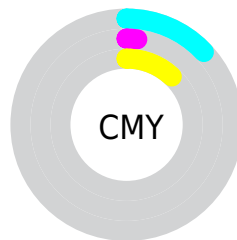
- Red (87%)
- Green (98%)
- Blue (88%)



- Red (87%)
- Yellow (97%)
- Blue (98%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6628, 0.3102, 0.3551 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 88.6628, 0.3102, 0.3551 by changing the saturation by 10% instead.

 88.6628, 0.3102,
0.3551

 88.6628, 0.3102,
0.3551

523.6713, 0.3114,
0.3432

 66.8721, 0.3099,
0.3578


145.4796, 0.3106,
0.3510

 48.9807, 0.3095,
0.3610


181.2744, 0.3108,
0.3494

 34.6042, 0.3090,
0.3652


222.5062, 0.3110,
0.3480

 23.3581, 0.3084,
0.3705

269.5591, 0.3111,
0.3468

 14.8582, 0.3075,
0.3777

322.8177, 0.3112,
0.3458

 8.7199, 0.3061,
0.3878

382.6664, 0.3113,

 4.5589, 0.3038,

0.3448

0.4033

449.4894, 0.3114,
0.3440

■ 1.9909, 0.2994,
0.4297

■ 0.6022, 0.2827,
0.6888

■ 88.6628, 0.3102,
0.3551

■ 88.6628, 0.3102,
0.3551

■ 83.8554, 0.3078,
0.3825

■ 94.2274, 0.3125,
0.3309

■ 79.7619, 0.3053,
0.4130

■ 96.2370, 0.3130,
0.3233

■ 76.3515, 0.3030,
0.4459

■ 73.5870, 0.3009,
0.4800

■ 71.4275, 0.2992,
0.5135

■ 69.8277, 0.2982,
0.5440

■ 68.7354, 0.2979,
0.5691

■ 68.0890, 0.2983,
0.5869

■ 67.8035, 0.2990,
0.5963

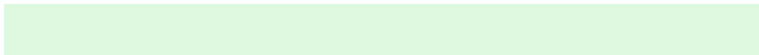
Harmonies

Analogous

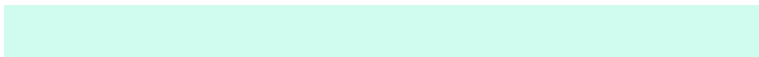
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6628, 0.3283, 0.3610



88.6628, 0.3102, 0.3551



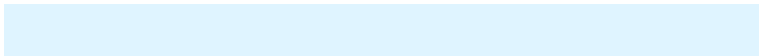
88.6628, 0.2932, 0.3416

Triad

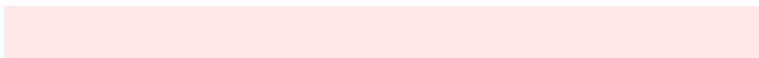
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6628, 0.3102, 0.3551



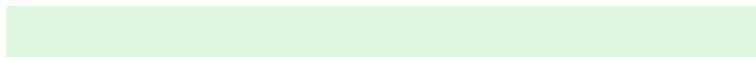
88.6628, 0.2835, 0.3004



88.6628, 0.3449, 0.3319

Complementary

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



88.6628, 0.3102, 0.3551



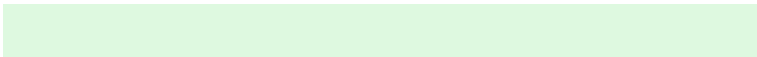
79.0862, 0.3153, 0.3042

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.



88.6628, 0.3322, 0.3167



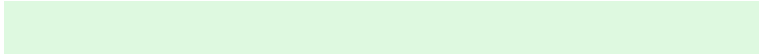
88.6628, 0.3102, 0.3551



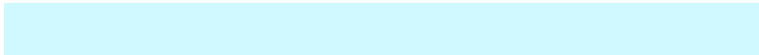
88.6628, 0.2967, 0.2988

Square

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



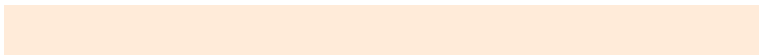
88.6628, 0.3102, 0.3551



88.6628, 0.2781, 0.3097



88.6628, 0.3144, 0.3048



88.6628, 0.3486, 0.3469

Rectangle

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



88.6628, 0.3102, 0.3551



88.6628, 0.2846, 0.3304



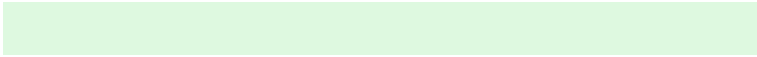
88.6628, 0.3144, 0.3048



88.6628, 0.3415, 0.3267

Sweetspot

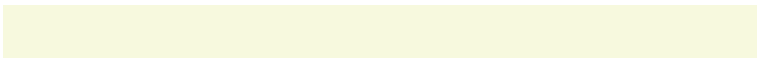
The Sweet Spot groups the original color and five complimentary colors.



88.6666, 0.3102, 0.3551



98.1308, 0.3120, 0.3358



92.8417, 0.3278, 0.3559



20.8998, 0.3119, 0.3377



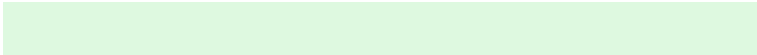
0.0000, 0.0000, 0.0000



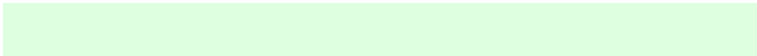
21.4041, 0.3127, 0.3290

Same Dimension

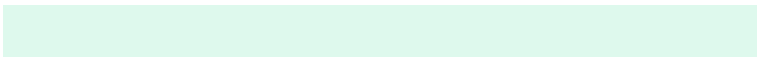
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6666, 0.3102, 0.3551



92.4273, 0.3097, 0.3608



89.4151, 0.3026, 0.3411



19.3305, 0.3105, 0.3516



36.2987, 0.2987, 0.5952



3.3690, 0.2956, 0.5842

Inverse Universe

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



79.0862, 0.3153, 0.3042



80.4823, 0.3159, 0.2992



78.2959, 0.3241, 0.3172



17.5006, 0.3150, 0.3074



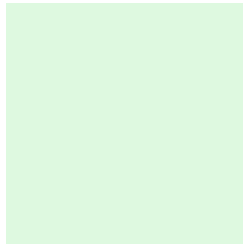
13.8528, 0.3409, 0.1652



1.2896, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 88.6628, 0.3102, 0.3551 looks on a white background.

Color Contrast Check

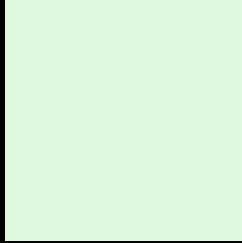
Large Text (above 18pt) WCAG AA × Fail

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 88.6628, 0.3102, 0.3551 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

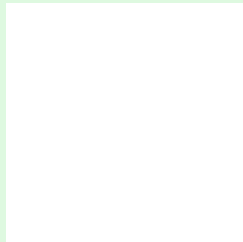
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6628, 0.3102, 0.3551

Background



This preview shows how black text looks on a background with the Yxy color 88.6628, 0.3102, 0.3551.

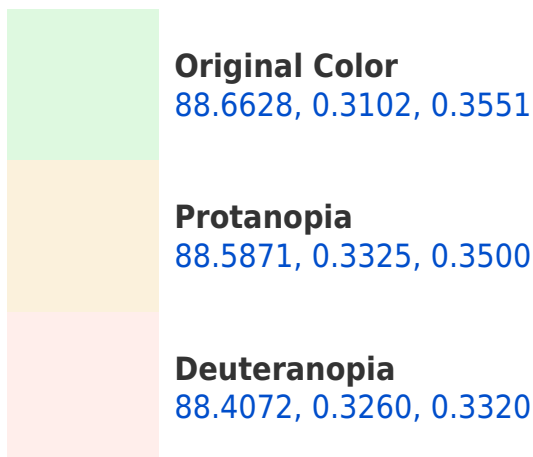


This preview shows how white text looks on a background with the Yxy color 88.6628, 0.3102, 0.3551.

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

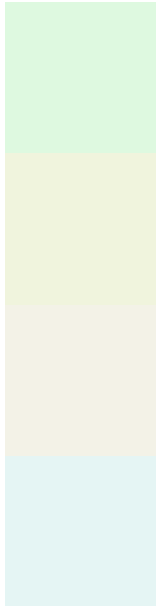




Tritanopia

88.6448, 0.2993, 0.3170

Trichromacy



Original Color

88.6628, 0.3102, 0.3551

Protanomaly

88.4471, 0.3241, 0.3524

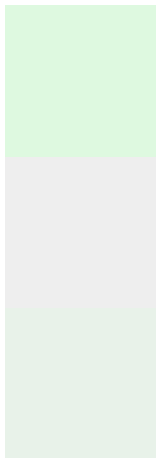
Deuteranomaly

88.3285, 0.3201, 0.3401

Tritanomaly

88.4945, 0.3031, 0.3300

Monochromacy



Original Color

88.6628, 0.3102, 0.3551

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.5433, 0.3116, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6628, 0.3102, 0.3551 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(222, 249, 224)` looks like.

```
.text, #text, p{  
    color:rgb(222, 249, 224)  
}
```

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(222, 249, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 249, 224) }
```

Border

The CSS property to change the border of an element to Yxy 88.6628, 0.3102, 0.3551 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(222, 249, 224) }
```

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

```
.border{ border-color:rgb(222, 249, 224) }
```

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

Here you see how a box with a 4 pixel rgb(222, 249, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 249, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 249, 224);  
box-shadow:4px 4px 4px 4px rgb(222, 249,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6628, 0.3102, 0.3551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 249, 224) }
```

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

```
.background{ background-color: rgb(222,  
249, 224) }
```

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