

Converting Colors

$Yxy(90.2682, 0.3098, 0.3738)$

Have a look what the booklet for
Yxy(90.2682, 0.3098, 0.3738)
contains.

Yxy(90.3211, 0.3100, 0.3737)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.3211, 0.3100, 0.3737)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFD5
RGB	212, 255, 213
RGB Percent	83%, 100%, 84%
CMY	0.1686, 0.0000, 0.1646
CMYK	0.17, 0.00, 0.16, 0.00
HSL	121°, 100%, 92%
HSV	121°, 17%, 100%
XYZ	74.9252, 90.3211, 76.4479
YIQ	237.3550, -12.1460, -22.1780

Conversions

Conversions Part 2

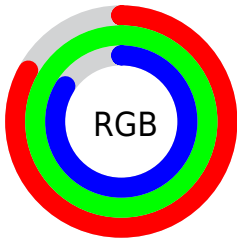
Format	Color
R_{YB}	212, 254, 255
Decimal	13959125
CIE _{Lab}	96.13, -21.43, 15.57
CIE _{LCh}	96, 26.491, 144.008
Y _{xy}	90.3211, 0.3100, 0.3737
Android (android.graphics.Color)	4292149205 (0xFFD4FFD5)
YUV	237.3550, -12.0070, -22.2363
Hunter-Lab	95.0374, -25.5904, 18.8335

Details

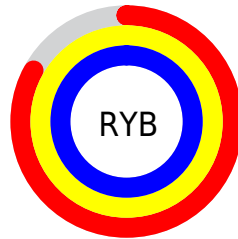
The Yxy color **90.3211, 0.3100, 0.3737** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.5067, 0.3154, 0.2880**, and the grayscale version is **85.0806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0249, 0.3094, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **85.6591, 0.3082, 0.4048**, and if you desaturate by 10%, it is **95.7807, 0.3117, 0.3460**.

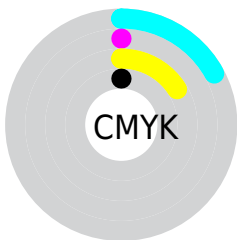
Distribution



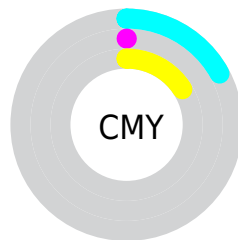
- Red (83%)
- Green (100%)
- Blue (84%)



- Red (83%)
- Yellow (100%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3211, 0.3100, 0.3737 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 90.3211, 0.3100, 0.3737 by changing the saturation by 10% instead.

 90.3211, 0.3100,
0.3737

 90.3211, 0.3100,
0.3737


529.0748, 0.3115,
0.3532

 68.2470, 0.3096,
0.3783


147.7843, 0.3106,
0.3666

 50.0987, 0.3091,
0.3841

183.9423, 0.3108,
0.3639

 35.4918, 0.3083,
0.3913

225.5636, 0.3110,
0.3615

 24.0420, 0.3073,
0.4006

273.0327, 0.3111,
0.3594

 15.3648, 0.3058,
0.4133

326.7339, 0.3112,
0.3576

 9.0758, 0.3034,
0.4312

387.0518, 0.3113,

 4.7906, 0.2991,

0.3559

0.4587

454.3706, 0.3114,
0.3545

■ 2.1250, 0.2904,
0.5059

■ 0.6786, 0.1521,
0.8479

■ 90.3211, 0.3100,
0.3737

■ 90.3211, 0.3100,
0.3737

■ 85.6591, 0.3082,
0.4048

■ 95.7807, 0.3117,
0.3460

■ 81.7503, 0.3063,
0.4387

100.0000, 0.3127,
0.3290

■ 78.5575, 0.3045,
0.4742

■ 76.0373, 0.3028,
0.5094

■ 74.1416, 0.3013,
0.5417

■ 72.8159, 0.3003,
0.5684

■ 71.9964, 0.2998,
0.5872

■ 71.6029, 0.2998,
0.5973

■ 71.5331, 0.2997,
0.5990

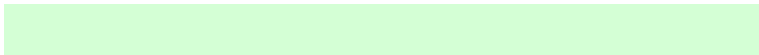
Harmonies

Analogous

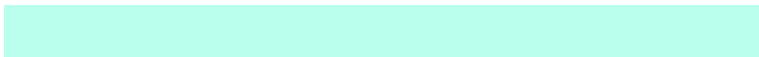
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3211, 0.3394, 0.3821



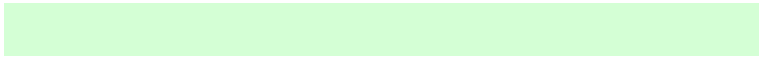
90.3211, 0.3100, 0.3737



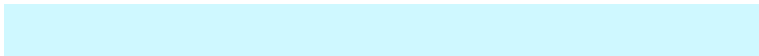
90.3211, 0.2823, 0.3514

Triad

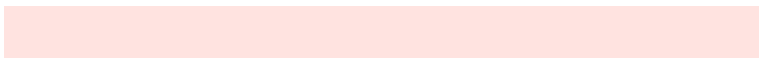
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3211, 0.3100, 0.3737



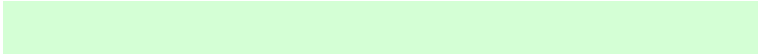
90.3211, 0.2645, 0.2832



90.3211, 0.3647, 0.3314

Complementary

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



90.3211, 0.3100, 0.3737



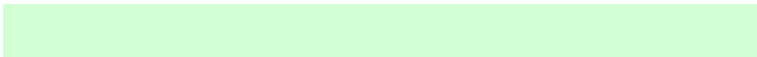
75.5067, 0.3154, 0.2880

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.



90.3211, 0.3429, 0.3076



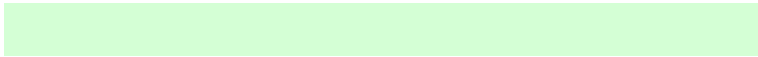
90.3211, 0.3100, 0.3737



90.3211, 0.2847, 0.2804

Square

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



90.3211, 0.3100, 0.3737



90.3211, 0.2569, 0.2981



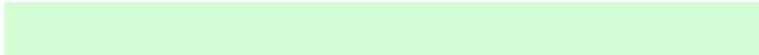
90.3211, 0.3132, 0.2893



90.3211, 0.3719, 0.3558

Rectangle

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



90.3211, 0.3100, 0.3737



90.3211, 0.2682, 0.3325



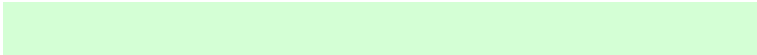
90.3211, 0.3132, 0.2893



90.3211, 0.3588, 0.3232

Sweetspot

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



90.3236, 0.3100, 0.3737



96.8854, 0.3120, 0.3412



97.3983, 0.3377, 0.3711



20.6474, 0.3118, 0.3430



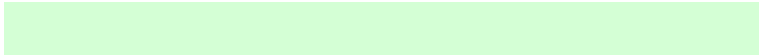
0.0000, 0.0000, 0.0000



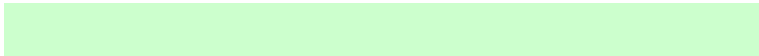
21.4041, 0.3127, 0.3290

Same Dimension

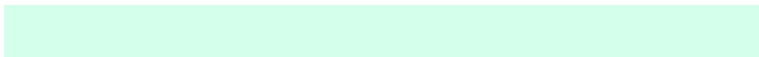
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3236, 0.3100, 0.3737



88.7748, 0.3094, 0.3831



91.4717, 0.2983, 0.3507



20.1751, 0.3112, 0.3530



37.3806, 0.2996, 0.5986



3.6419, 0.2987, 0.5952

Inverse Universe

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



75.5067, 0.3154, 0.2880



71.5887, 0.3159, 0.2803



74.2228, 0.3301, 0.3083



18.2926, 0.3142, 0.3061



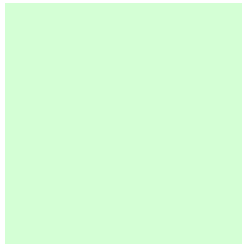
14.6860, 0.3269, 0.1574



1.4322, 0.3262, 0.1570

Previews

White Background



This preview shows how the Yxy color 90.3211, 0.3100, 0.3737 looks on a white background.

Color Contrast Check

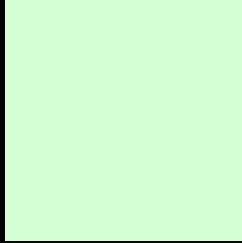
Large Text (above 18pt) WCAG AA × Fail

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 90.3211, 0.3100, 0.3737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

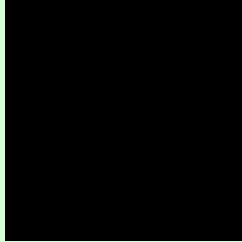
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

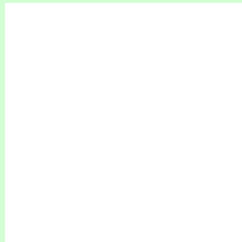
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3211, 0.3100, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 90.3211, 0.3100, 0.3737.

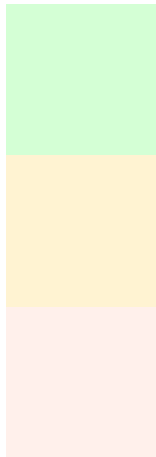


This preview shows how white text looks on a background with the Yxy color 90.3211, 0.3100, 0.3737.

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

90.3211, 0.3100, 0.3737

Protanopia

90.0143, 0.3413, 0.3618

Deuteranopia

89.5783, 0.3258, 0.3339



Tritanopia

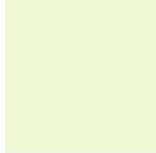
89.8485, 0.2993, 0.3190

Trichromacy



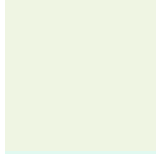
Original Color

90.3211, 0.3100, 0.3737



Protanomaly

89.5754, 0.3292, 0.3658



Deuteranomaly

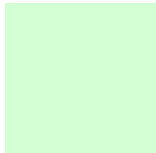
89.2016, 0.3197, 0.3473



Tritanomaly

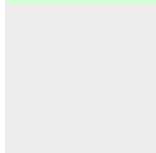
90.0502, 0.3029, 0.3382

Monochromacy



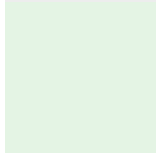
Original Color

90.3211, 0.3100, 0.3737



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7968, 0.3119, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3211, 0.3100, 0.3737 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(212, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 213)  
}
```

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(212, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 90.3211, 0.3100, 0.3737 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(212, 255, 213) }
```

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

```
.border{ border-color:rgb(212, 255, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3211, 0.3100, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 213) }
```

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

```
.background{ background-color: rgb(212,  
255, 213) }
```

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