

Converting Colors

$Yxy(93.8610, 0.3036, 0.3722)$

Have a look what the booklet for
Yxy(93.8610, 0.3036, 0.3722)
contains.

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Color

Yxy(90.0972, 0.3037, 0.3663)

Conversions

Conversions Part 1

Format	Color
Hex	D0FFDC
RGB	208, 255, 220
RGB Percent	82%, 100%, 86%
CMY	0.1842, 0.0000, 0.1372
CMYK	0.18, 0.00, 0.14, 0.00
HSL	135°, 100%, 91%
HSV	135°, 18%, 100%
XYZ	74.6998, 90.0972, 81.1686
YIQ	236.9570, -16.7770, -20.8490

Conversions

Conversions Part 2

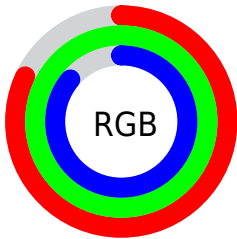
Format	Color
R _Y B	208, 245, 255
Decimal	13696988
CIE Lab	96.04, -21.50, 11.82
CIE LCh	96, 24.534, 151.193
Yxy	90.0972, 0.3037, 0.3663
Android (android.graphics.Color)	4291887068 (0xFFD0FFDC)
YUV	236.9570, -8.3598, -25.3953
Hunter-Lab	94.9195, -25.6333, 15.7430

Details

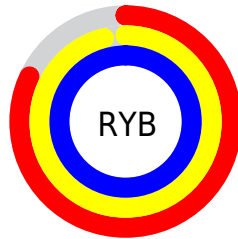
The Yxy color **90.0972, 0.3037, 0.3663** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.8639, 0.3232, 0.2944**, and the grayscale version is **84.7367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8771, 0.3014, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **85.7460, 0.2990, 0.3901**, and if you desaturate by 10%, it is **95.1647, 0.3086, 0.3450**.

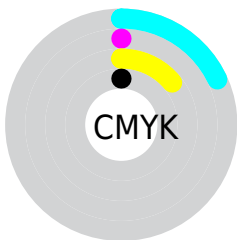
Distribution



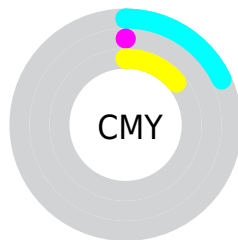
- Red (82%)
- Green (100%)
- Blue (86%)



- Red (82%)
- Yellow (96%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0972, 0.3037, 0.3663 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 90.0972, 0.3037, 0.3663 by changing the saturation by 10% instead.

 90.0972, 0.3037,
0.3663

 90.0972, 0.3037,
0.3663

528.3470, 0.3079,
0.3492

 68.0613, 0.3027,
0.3702


147.4734, 0.3052,
0.3604

 49.9476, 0.3015,
0.3749


183.5825, 0.3058,
0.3581

 35.3717, 0.2999,
0.3809


225.1513, 0.3063,
0.3561

 23.9494, 0.2979,
0.3887

272.5644, 0.3067,
0.3544

 15.2961, 0.2950,
0.3991

326.2062, 0.3071,
0.3529

 9.0274, 0.2909,
0.4141

386.4609, 0.3074,

 4.7591, 0.2843,

0.3515

0.4369

453.7130, 0.3077,
0.3503

■ 2.1066, 0.2723,
0.4760

■ 0.6683, 0.1418,
0.8582

■ 90.0972, 0.3037,
0.3663

■ 90.0972, 0.3037,
0.3663

■ 85.7460, 0.2990,
0.3901

■ 95.1647, 0.3086,
0.3450

■ 82.0674, 0.2947,
0.4161

99.9973, 0.3127,
0.3290

■ 79.0307, 0.2911,
0.4439

■ 76.5980, 0.2884,
0.4727

■ 74.7274, 0.2871,
0.5011

■ 73.3716, 0.2873,
0.5278

■ 72.4748, 0.2890,
0.5512

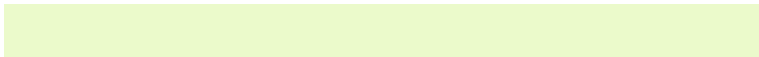
■ 71.9609, 0.2919,
0.5701

■ 71.8989, 0.2924,
0.5727

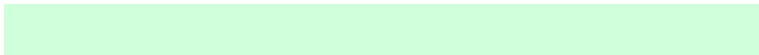
Harmonies

Analogous

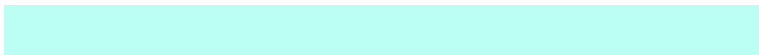
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0972, 0.3313, 0.3776



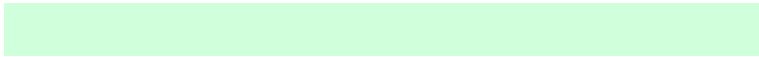
90.0972, 0.3037, 0.3663



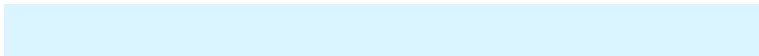
90.0972, 0.2793, 0.3436

Triad

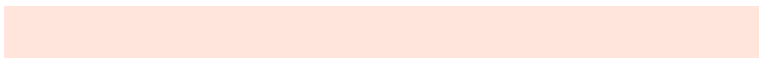
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0972, 0.3037, 0.3663



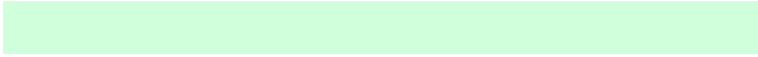
90.0972, 0.2715, 0.2847



90.0972, 0.3639, 0.3370

Complementary

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



90.0972, 0.3037, 0.3663



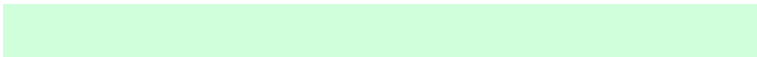
72.8639, 0.3232, 0.2944

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.



90.0972, 0.3465, 0.3142



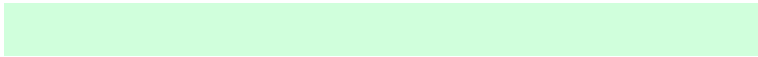
90.0972, 0.3037, 0.3663



90.0972, 0.2926, 0.2848

Square

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



90.0972, 0.3037, 0.3663



90.0972, 0.2613, 0.2961



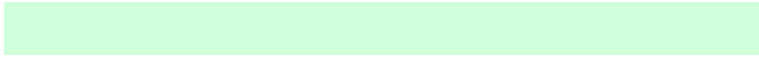
90.0972, 0.3200, 0.2955



90.0972, 0.3668, 0.3589

Rectangle

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



90.0972, 0.3037, 0.3663



90.0972, 0.2679, 0.3260



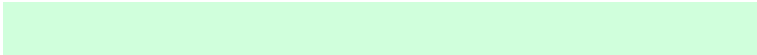
90.0972, 0.3200, 0.2955



90.0972, 0.3595, 0.3292

Sweetspot

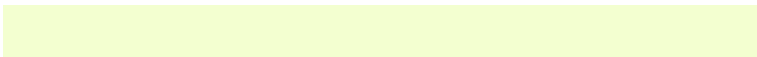
The Sweet Spot groups the original color and five complimentary colors.



90.1010, 0.3037, 0.3663



96.5002, 0.3098, 0.3402



95.1739, 0.3328, 0.3762



20.5770, 0.3095, 0.3415



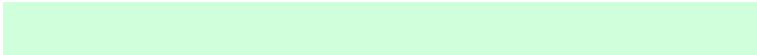
0.0000, 0.0000, 0.0000



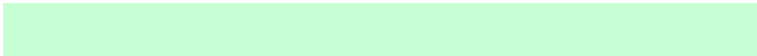
21.4041, 0.3127, 0.3290

Same Dimension

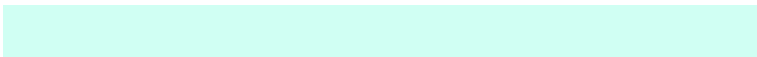
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1010, 0.3037, 0.3663



88.4627, 0.3020, 0.3745



91.4198, 0.2911, 0.3412



20.2441, 0.3081, 0.3472



37.5904, 0.2917, 0.5700



3.6768, 0.2858, 0.5488

Inverse Universe

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



72.8639, 0.3232, 0.2944



68.3939, 0.3256, 0.2874



71.5468, 0.3400, 0.3172



18.2166, 0.3177, 0.3115



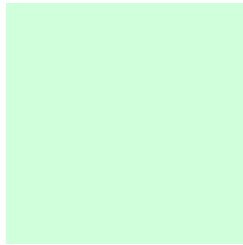
13.0770, 0.3982, 0.1967



1.2909, 0.3874, 0.1908

Previews

White Background



This preview shows how the Yxy color 90.0972, 0.3037, 0.3663 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 90.0972, 0.3037, 0.3663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

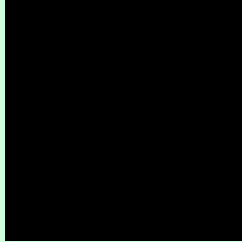
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

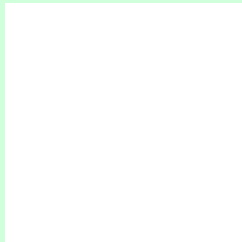
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.0972, 0.3037, 0.3663

Background



This preview shows how black text looks on a background with the Yxy color 90.0972, 0.3037, 0.3663.

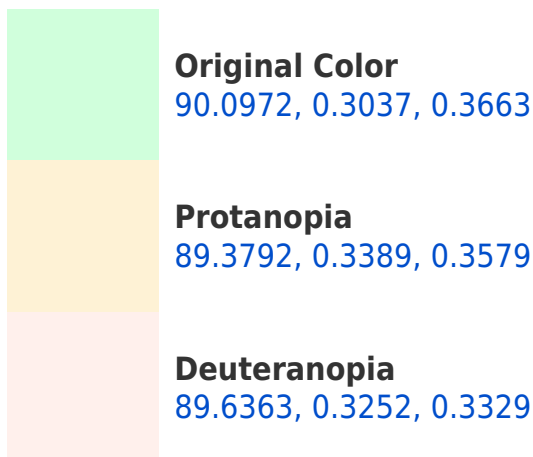


This preview shows how white text looks on a background with the Yxy color 90.0972, 0.3037, 0.3663.

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

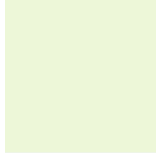
89.5137, 0.2981, 0.3190

Trichromacy



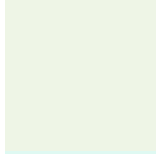
Original Color

90.0972, 0.3037, 0.3663



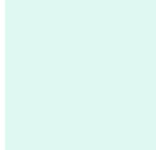
Protanomaly

89.4839, 0.3248, 0.3607



Deuteranomaly

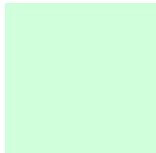
89.1951, 0.3172, 0.3442



Tritanomaly

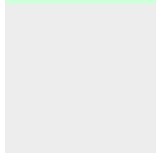
89.8501, 0.3005, 0.3361

Monochromacy



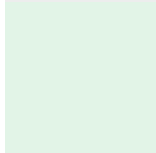
Original Color

90.0972, 0.3037, 0.3663



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.6396, 0.3089, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0972, 0.3037, 0.3663 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(208, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 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(208, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 90.0972, 0.3037, 0.3663 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(208, 255, 220) }
```

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

```
.border{ border-color:rgb(208, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0972, 0.3037, 0.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 220) }
```

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

```
.background{ background-color: rgb(208,  
255, 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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