

Converting Colors

$Y_{xy}(100.0000, 0.3024, 0.3774)$

Have a look what the booklet for
Yxy(100.0000, 0.3024, 0.3774)
contains.

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Color

Yxy(90.4030, 0.3026, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	D1FFDF
RGB	209, 255, 223
RGB Percent	82%, 100%, 87%
CMY	0.1806, 0.0000, 0.1255
CMYK	0.18, 0.00, 0.13, 0.00
HSL	138°, 100%, 91%
HSV	138°, 18%, 100%
XYZ	75.3607, 90.4030, 83.2803
YIQ	237.5980, -17.1440, -19.7040

Conversions

Conversions Part 2

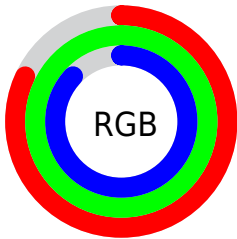
Format	Color
R _Y B	209, 244, 255
Decimal	13762527
CIE Lab	96.16, -20.69, 10.48
CIE LCh	96, 23.190, 153.130
Yxy	90.4030, 0.3026, 0.3630
Android (android.graphics.Color)	4291952607 (0xFFD1FFDF)
YUV	237.5980, -7.1968, -25.0804
Hunter-Lab	95.0805, -24.9119, 14.6246

Details

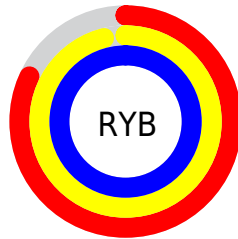
The Yxy color **90.4030, 0.3026, 0.3630** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1830, 0.3245, 0.2973**, and the grayscale version is **85.2249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0853, 0.3001, 0.3703** is the 20% darker color. If you saturate the color by 10%, you get **86.0627, 0.2972, 0.3850**, and if you desaturate by 10%, it is **95.4218, 0.3082, 0.3433**.

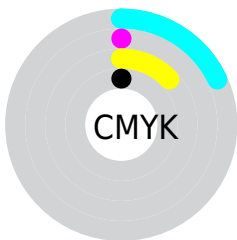
Distribution



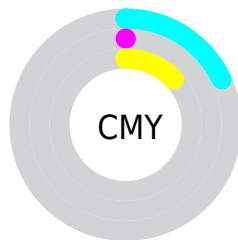
- Red (82%)
- Green (100%)
- Blue (87%)



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



- Cyan (18%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4030, 0.3026, 0.3630 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 90.4030, 0.3026, 0.3630 by changing the saturation by 10% instead.


 90.4030, 0.3026,
0.3630

 90.4030, 0.3026,
0.3630


529.3409, 0.3073,
0.3475

 68.3149, 0.3015,
0.3665


147.8981, 0.3042,
0.3577

 50.1540, 0.3002,
0.3708


184.0738, 0.3049,
0.3556

 35.5358, 0.2985,
0.3762


225.7143, 0.3054,
0.3538

 24.0759, 0.2963,
0.3832

273.2039, 0.3059,
0.3522

 15.3899, 0.2933,
0.3927

326.9269, 0.3063,
0.3508

 9.0935, 0.2890,
0.4061

387.2678, 0.3067,

 4.8022, 0.2822,

0.3496

0.4266

454.6111, 0.3070,
0.3485

■ 2.1317, 0.2702,
0.4617

■ 0.6824, 0.1717,
0.8161

■ 90.4030, 0.3026,
0.3630

■ 90.4030, 0.3026,
0.3630

■ 86.0627, 0.2972,
0.3850

■ 95.4218, 0.3082,
0.3433

■ 82.3947, 0.2924,
0.4091

100.0000, 0.3127,
0.3290

■ 79.3569, 0.2882,
0.4350

■ 76.9124, 0.2853,
0.4620

■ 75.0206, 0.2837,
0.4890

■ 73.6351, 0.2837,
0.5149

■ 72.7020, 0.2855,
0.5384

■ 72.1489, 0.2887,
0.5582

■ 72.0665, 0.2894,
0.5617

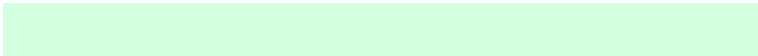
Harmonies

Analogous

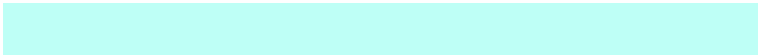
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4030, 0.3287, 0.3745



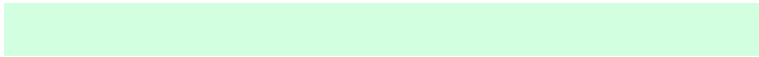
90.4030, 0.3026, 0.3630



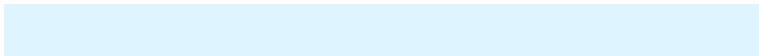
90.4030, 0.2799, 0.3412

Triad

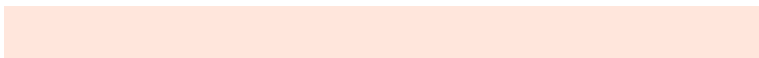
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4030, 0.3026, 0.3630



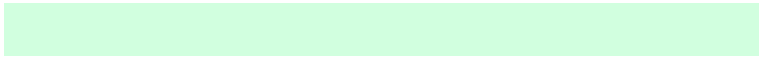
90.4030, 0.2748, 0.2868



90.4030, 0.3616, 0.3381

Complementary

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



90.4030, 0.3026, 0.3630



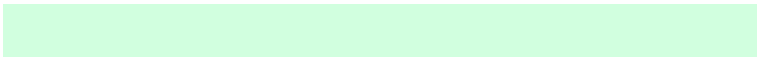
73.1830, 0.3245, 0.2973

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.



90.4030, 0.3460, 0.3163



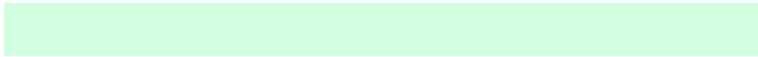
90.4030, 0.3026, 0.3630



90.4030, 0.2953, 0.2875

Square

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



90.4030, 0.3026, 0.3630



90.4030, 0.2643, 0.2970



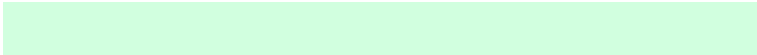
90.4030, 0.3214, 0.2982



90.4030, 0.3634, 0.3585

Rectangle

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



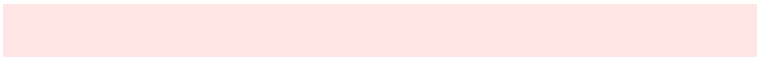
90.4030, 0.3026, 0.3630



90.4030, 0.2695, 0.3247



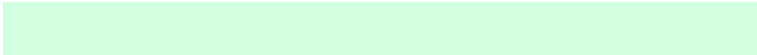
90.4030, 0.3214, 0.2982



90.4030, 0.3578, 0.3307

Sweetspot

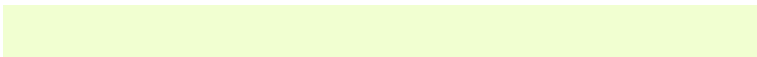
The Sweet Spot groups the original color and five complimentary colors.



90.3946, 0.3026, 0.3630



97.1038, 0.3099, 0.3377



94.8540, 0.3309, 0.3754



20.7002, 0.3095, 0.3389



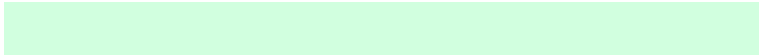
0.0000, 0.0000, 0.0000



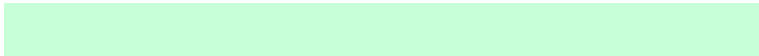
21.4041, 0.3127, 0.3290

Same Dimension

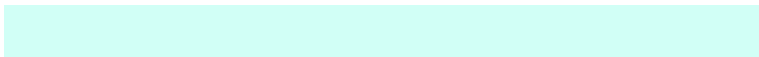
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3946, 0.3026, 0.3630



88.6066, 0.3004, 0.3714



91.7084, 0.2903, 0.3385



20.2594, 0.3074, 0.3460



37.6794, 0.2886, 0.5588



3.6872, 0.2824, 0.5365

Inverse Universe

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



73.1830, 0.3245, 0.2973



68.2277, 0.3276, 0.2901



71.9048, 0.3411, 0.3197



18.2005, 0.3185, 0.3126



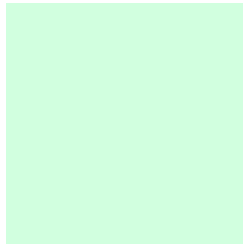
12.8005, 0.4167, 0.2069



1.2658, 0.4031, 0.1994

Previews

White Background



This preview shows how the Yxy color 90.4030, 0.3026, 0.3630 looks on a white background.

Color Contrast Check

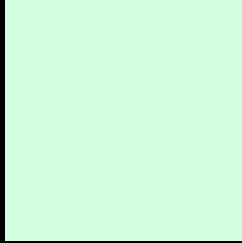
Large Text (above 18pt) WCAG AA × Fail

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 90.4030, 0.3026, 0.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

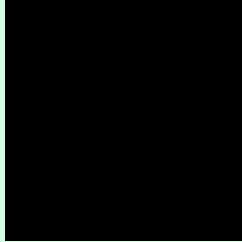
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

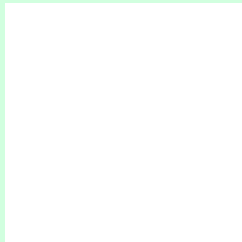
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4030, 0.3026, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 90.4030, 0.3026, 0.3630.

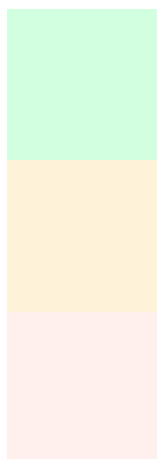


This preview shows how white text looks on a background with the Yxy color 90.4030, 0.3026, 0.3630.

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

90.4030, 0.3026, 0.3630

Protanopia

90.1818, 0.3362, 0.3548

Deuteranopia

89.6946, 0.3245, 0.3320



Tritanopia

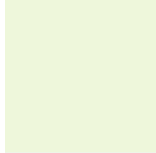
90.2873, 0.2987, 0.3200

Trichromacy



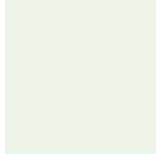
Original Color

90.4030, 0.3026, 0.3630



Protanomaly

89.8131, 0.3237, 0.3576



Deuteranomaly

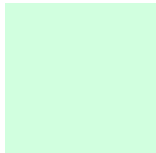
89.3082, 0.3160, 0.3421



Tritanomaly

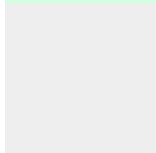
90.0697, 0.3006, 0.3351

Monochromacy



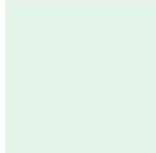
Original Color

90.4030, 0.3026, 0.3630



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.9155, 0.3083, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4030, 0.3026, 0.3630 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(209, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 223)  
}
```

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(209, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 90.4030, 0.3026, 0.3630 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(209, 255, 223) }
```

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

```
.border{ border-color:rgb(209, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4030, 0.3026, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 223) }
```

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

```
.background{ background-color: rgb(209,  
255, 223) }
```

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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