

Converting Colors

$Y_{xy}(126.3248, 0.3096, 0.4214)$

Have a look what the booklet for
Yxy(126.3248, 0.3096, 0.4214)
contains.

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Color

Yxy(90.3193, 0.3123, 0.3769)

Conversions

Conversions Part 1

Format	Color
Hex	D5FFD2
RGB	213, 255, 210
RGB Percent	84%, 100%, 82%
CMY	0.1647, 0.0000, 0.1764
CMYK	0.16, 0.00, 0.18, 0.00
HSL	116°, 100%, 91%
HSV	116°, 18%, 100%
XYZ	74.8387, 90.3193, 74.4793
YIQ	237.3120, -10.5870, -22.8990

Conversions

Conversions Part 2

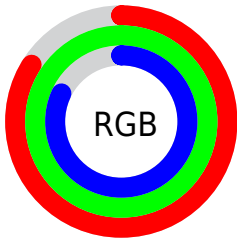
Format	Color
R_{YB}	210, 255, 252
Decimal	14024658
CIE _{Lab}	96.13, -21.61, 17.11
CIE _{LCh}	96, 27.560, 141.634
Yxy	90.3193, 0.3123, 0.3769
Android (android.graphics.Color)	4292214738 (0xFFD5FFD2)
YUV	237.3120, -13.4648, -21.3216
Hunter-Lab	95.0365, -25.7497, 20.0605

Details

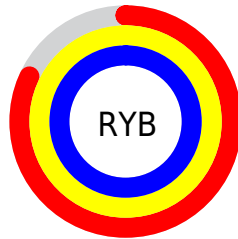
The Yxy color **90.3193, 0.3123, 0.3769** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.0258, 0.3126, 0.2848**, and the grayscale version is **85.0580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0238, 0.3122, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **85.8481, 0.3118, 0.4086**, and if you desaturate by 10%, it is **95.5225, 0.3126, 0.3484**.

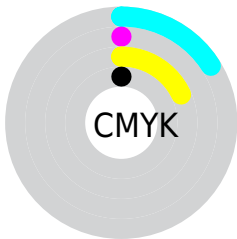
Distribution



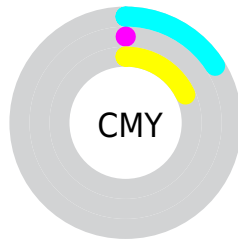
- Red (84%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (99%)



- Cyan (16%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3193, 0.3123, 0.3769 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 90.3193, 0.3123, 0.3769 by changing the saturation by 10% instead.

 90.3193, 0.3123,
0.3769

 90.3193, 0.3123,
0.3769


529.0690, 0.3128,
0.3549

 68.2455, 0.3121,
0.3819

147.7818, 0.3125,
0.3693

 50.0975, 0.3118,
0.3880


183.9394, 0.3126,
0.3663

 35.4909, 0.3114,
0.3958


225.5603, 0.3127,
0.3638

 24.0412, 0.3107,
0.4058

273.0289, 0.3127,
0.3615

 15.3642, 0.3097,
0.4194

326.7297, 0.3128,
0.3596

 9.0754, 0.3078,
0.4386

387.0471, 0.3128,

 4.7904, 0.3042,

0.3578

0.4681

454.3653, 0.3128,
0.3563

■ 2.1248, 0.2970,
0.5199

■ 0.6785, 0.1475,
0.8525

■ 90.3193, 0.3123,
0.3769

■ 90.3193, 0.3123,
0.3769

■ 85.8481, 0.3118,
0.4086

■ 95.5225, 0.3126,
0.3484

■ 82.0663, 0.3110,
0.4429

100.0000, 0.3127,
0.3290

■ 78.9427, 0.3098,
0.4785

■ 76.4397, 0.3084,
0.5134

■ 74.5156, 0.3066,
0.5451

■ 73.1240, 0.3048,
0.5709

■ 72.2110, 0.3029,
0.5886

■ 71.7101, 0.3012,
0.5978

■ 71.6385, 0.3010,
0.5992

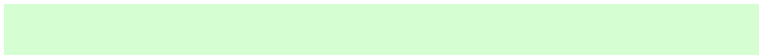
Harmonies

Analogous

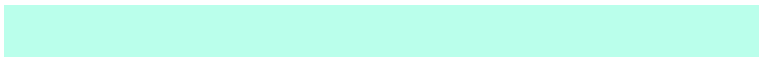
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3193, 0.3427, 0.3842



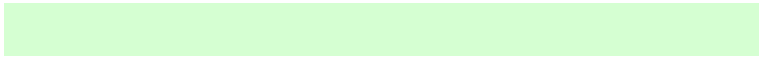
90.3193, 0.3123, 0.3769



90.3193, 0.2831, 0.3545

Triad

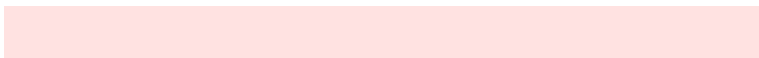
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3193, 0.3123, 0.3769



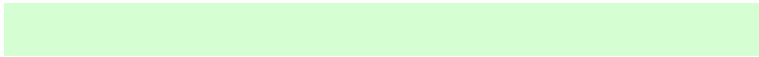
90.3193, 0.2615, 0.2821



90.3193, 0.3656, 0.3294

Complementary

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



90.3193, 0.3123, 0.3769



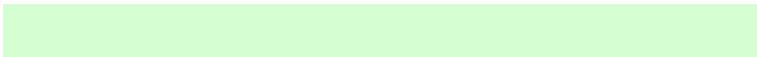
74.0258, 0.3126, 0.2848

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.



90.3193, 0.3418, 0.3050



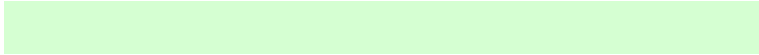
90.3193, 0.3123, 0.3769



90.3193, 0.2815, 0.2783

Square

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



90.3193, 0.3123, 0.3769



90.3193, 0.2547, 0.2986



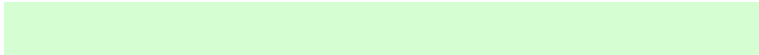
90.3193, 0.3107, 0.2867



90.3193, 0.3744, 0.3549

Rectangle

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



90.3193, 0.3123, 0.3769



90.3193, 0.2680, 0.3350



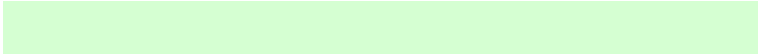
90.3193, 0.3107, 0.2867



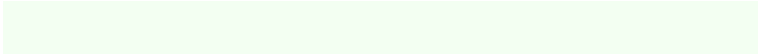
90.3193, 0.3590, 0.3209

Sweetspot

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



90.3227, 0.3123, 0.3769



97.0176, 0.3127, 0.3415



95.5366, 0.3398, 0.3702



20.6793, 0.3126, 0.3433



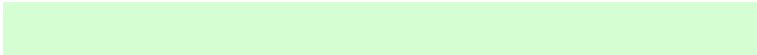
0.0000, 0.0000, 0.0000



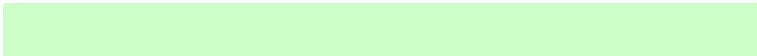
21.4041, 0.3127, 0.3290

Same Dimension

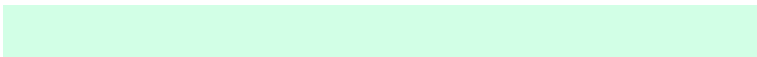
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3227, 0.3123, 0.3769



88.7379, 0.3121, 0.3872



90.9119, 0.2997, 0.3558



20.2257, 0.3126, 0.3535



37.4540, 0.3014, 0.5989



3.6660, 0.3046, 0.5964

Inverse Universe

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



74.0258, 0.3126, 0.2848



69.7956, 0.3126, 0.2762



73.3953, 0.3283, 0.3036



18.2354, 0.3127, 0.3055



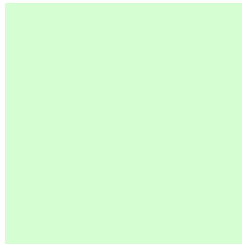
13.3037, 0.3043, 0.1450



1.3131, 0.3063, 0.1461

Previews

White Background



This preview shows how the Yxy color 90.3193, 0.3123, 0.3769 looks on a white background.

Color Contrast Check

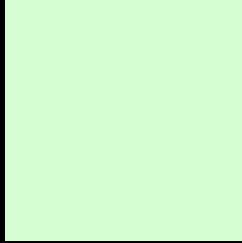
Large Text (above 18pt) WCAG AA × Fail

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 90.3193, 0.3123, 0.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

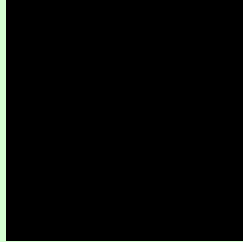
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

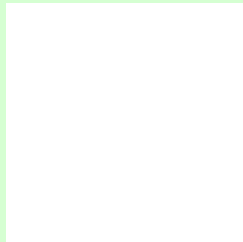
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3193, 0.3123, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 90.3193, 0.3123, 0.3769.

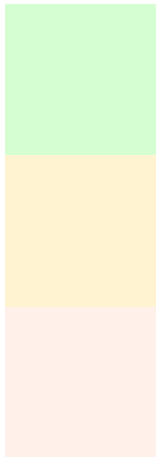


This preview shows how white text looks on a background with the Yxy color 90.3193, 0.3123, 0.3769.

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

90.3193, 0.3123, 0.3769

Protanopia

89.9646, 0.3420, 0.3628

Deuteranopia

90.1111, 0.3263, 0.3359



Tritanopia

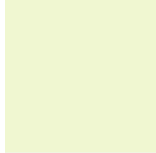
90.0172, 0.2999, 0.3190

Trichromacy



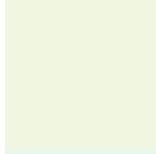
Original Color

90.3193, 0.3123, 0.3769



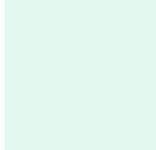
Protanomaly

89.6502, 0.3311, 0.3678



Deuteranomaly

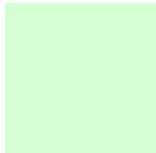
89.8730, 0.3215, 0.3503



Tritanomaly

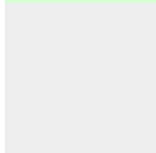
90.1521, 0.3041, 0.3392

Monochromacy



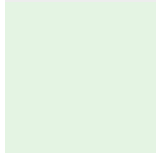
Original Color

90.3193, 0.3123, 0.3769



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7414, 0.3125, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3193, 0.3123, 0.3769 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(213, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 210)  
}
```

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(213, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 90.3193, 0.3123, 0.3769 is called "border". The border property can be set on classes, ids or directly on the HTML element.

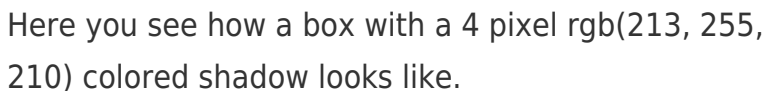
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 255, 210) }
```

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

```
.border{ border-color:rgb(213, 255, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 255, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 255, 210); box-shadow:4px 4px 4px 4px rgb(213, 255, 210) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3193, 0.3123, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 210) }
```

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

```
.background{ background-color: rgb(213,  
255, 210) }
```

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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