

Converting Colors

$Y_{xy}(100.0000, 0.3119, 0.3817)$

Have a look what the booklet for
Yxy(100.0000, 0.3119, 0.3817)
contains.

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Color

Yxy(91.5379, 0.3126, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFD8
RGB	219, 255, 216
RGB Percent	86%, 100%, 85%
CMY	0.1414, 0.0000, 0.1529
CMYK	0.14, 0.00, 0.15, 0.00
HSL	115°, 100%, 92%
HSV	115°, 15%, 100%
XYZ	77.3581, 91.5379, 78.5706
YIQ	239.7900, -8.9370, -19.7610

Conversions

Conversions Part 2

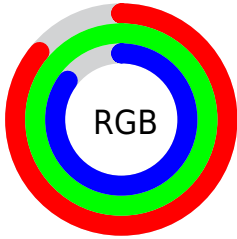
Format	Color
R _Y B	216, 255, 252
Decimal	14417880
CIE Lab	96.63, -18.65, 14.80
CIE LCh	97, 23.809, 141.559
Yxy	91.5379, 0.3126, 0.3699
Android (android.graphics.Color)	4292607960 (0xFFDBFFD8)
YUV	239.7900, -11.7285, -18.2328
Hunter-Lab	95.6754, -23.1064, 18.2826

Details

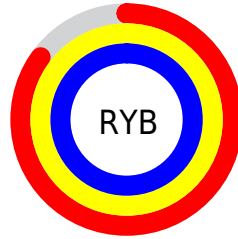
The Yxy color **91.5379, 0.3126, 0.3699** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.0524, 0.3124, 0.2908**, and the grayscale version is **87.0516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.8539, 0.3127, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **86.9108, 0.3123, 0.4008**, and if you desaturate by 10%, it is **96.8739, 0.3127, 0.3422**.

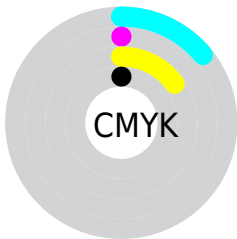
Distribution



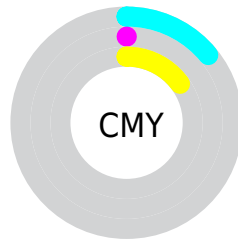
- Red (86%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (99%)



- Cyan (14%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.5379, 0.3126, 0.3699 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 91.5379, 0.3126, 0.3699 by changing the saturation by 10% instead.


 91.5379, 0.3126,
0.3699

 91.5379, 0.3126,
0.3699

533.0210, 0.3129,
0.3512

 69.2569, 0.3125,
0.3741

149.4728, 0.3128,
0.3635

 50.9209, 0.3123,
0.3793

185.8954, 0.3128,
0.3610

 36.1457, 0.3120,
0.3858


227.8007, 0.3128,
0.3588

 24.5467, 0.3116,
0.3942

275.5731, 0.3129,
0.3569

 15.7397, 0.3109,
0.4054

329.5969, 0.3129,
0.3552

 9.3401, 0.3097,
0.4214

390.2565, 0.3129,

 4.9637, 0.3072,

0.3537

0.4456

457.9364, 0.3129,
0.3524

■ 2.2260, 0.3017,
0.4864

■ 0.7341, 0.2483,
0.7517

■ 91.5379, 0.3126,
0.3699

■ 91.5379, 0.3126,
0.3699

■ 86.9108, 0.3123,
0.4008

■ 96.8739, 0.3127,
0.3422

■ 82.9826, 0.3116,
0.4345

100.0000, 0.3127,
0.3290

■ 79.7129, 0.3107,
0.4699

■ 77.0655, 0.3093,
0.5051

■ 75.0009, 0.3077,
0.5377

■ 73.4749, 0.3057,
0.5651

■ 72.4368, 0.3037,
0.5849

■ 71.8265, 0.3018,
0.5961

■ 71.6598, 0.3012,
0.5990

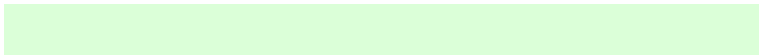
Harmonies

Analogous

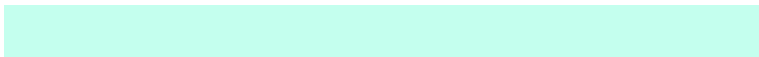
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5379, 0.3387, 0.3763



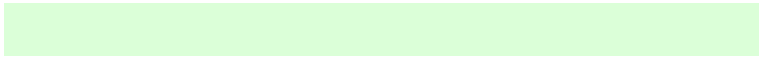
91.5379, 0.3126, 0.3699



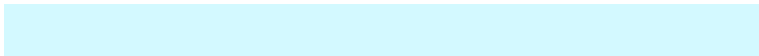
91.5379, 0.2873, 0.3509

Triad

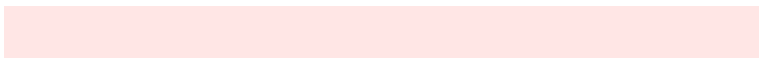
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.5379, 0.3126, 0.3699



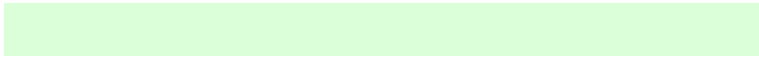
91.5379, 0.2684, 0.2886



91.5379, 0.3580, 0.3295

Complementary

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



91.5379, 0.3126, 0.3699



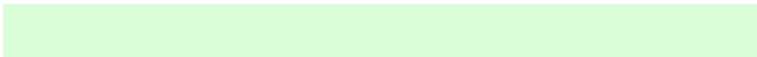
77.0524, 0.3124, 0.2908

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.



91.5379, 0.3377, 0.3082



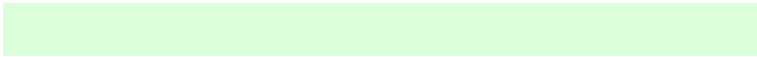
91.5379, 0.3126, 0.3699



91.5379, 0.2858, 0.2850

Square

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



91.5379, 0.3126, 0.3699



91.5379, 0.2625, 0.3031



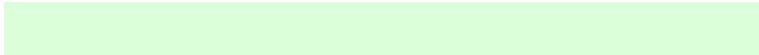
91.5379, 0.3110, 0.2923



91.5379, 0.3657, 0.3516

Rectangle

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



91.5379, 0.3126, 0.3699



91.5379, 0.2741, 0.3343



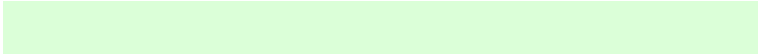
91.5379, 0.3110, 0.2923



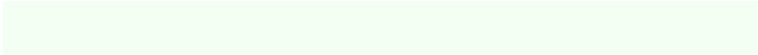
91.5379, 0.3524, 0.3221

Sweetspot

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



91.5309, 0.3126, 0.3699



97.0374, 0.3127, 0.3415



95.6840, 0.3362, 0.3640



20.6841, 0.3127, 0.3433



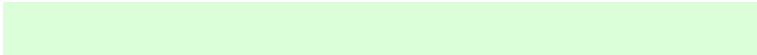
0.0000, 0.0000, 0.0000



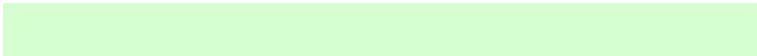
21.4041, 0.3127, 0.3290

Same Dimension

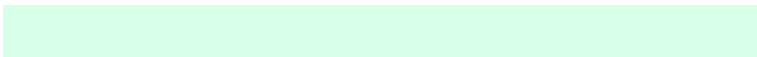
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.5309, 0.3126, 0.3699



90.2066, 0.3125, 0.3780



91.9634, 0.3017, 0.3526



20.2332, 0.3127, 0.3535



37.4670, 0.3016, 0.5987



3.6695, 0.3052, 0.5959

Inverse Universe

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



77.0524, 0.3124, 0.2908



73.4825, 0.3124, 0.2839



76.6008, 0.3255, 0.3065



18.2269, 0.3126, 0.3055



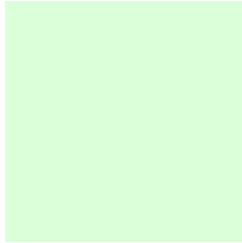
13.1076, 0.3021, 0.1438



1.2961, 0.3044, 0.1450

Previews

White Background



This preview shows how the Yxy color 91.5379, 0.3126, 0.3699 looks on a white background.

Color Contrast Check

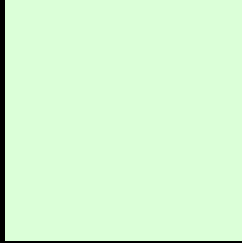
Large Text (above 18pt) WCAG AA × Fail

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 91.5379, 0.3126, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

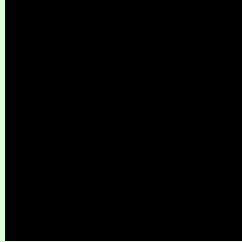
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

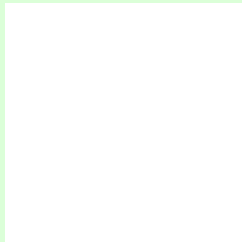
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.5379, 0.3126, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 91.5379, 0.3126, 0.3699.

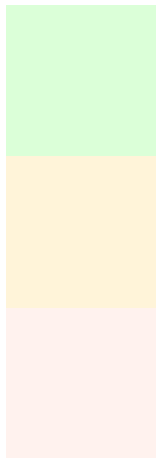


This preview shows how white text looks on a background with the Yxy color 91.5379, 0.3126, 0.3699.

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

91.5379, 0.3126, 0.3699

Protanopia

90.9711, 0.3367, 0.3557

Deuteranopia

90.9373, 0.3237, 0.3329



Tritanopia

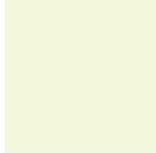
91.1361, 0.3018, 0.3201

Trichromacy



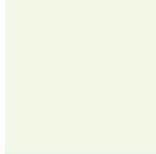
Original Color

91.5379, 0.3126, 0.3699



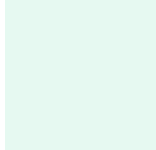
Protanomaly

91.0218, 0.3275, 0.3604



Deuteranomaly

91.1119, 0.3197, 0.3461



Tritanomaly

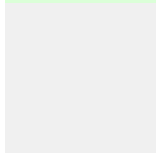
90.9252, 0.3054, 0.3371

Monochromacy



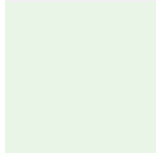
Original Color

91.5379, 0.3126, 0.3699



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.2301, 0.3127, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.5379, 0.3126, 0.3699 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(219, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 216)  
}
```

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(219, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 91.5379, 0.3126, 0.3699 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(219, 255, 216) }
```

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

```
.border{ border-color:rgb(219, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 255, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 255, 216); box-shadow:4px 4px 4px 4px rgb(219, 255, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 91.5379, 0.3126, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 216) }
```

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

```
.background{ background-color: rgb(219,  
255, 216) }
```

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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