

Converting Colors

$Yxy(91.0852, 0.3103, 0.3695)$

Have a look what the booklet for
Yxy(91.0852, 0.3103, 0.3695)
contains.

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Color

Yxy(91.1287, 0.3102, 0.3690)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFD9
RGB	216, 255, 217
RGB Percent	85%, 100%, 85%
CMY	0.1529, 0.0000, 0.1489
CMYK	0.15, 0.00, 0.15, 0.00
HSL	122°, 100%, 92%
HSV	122°, 15%, 100%
XYZ	76.6074, 91.1287, 79.2252
YIQ	239.0070, -11.0460, -20.0860

Conversions

Conversions Part 2

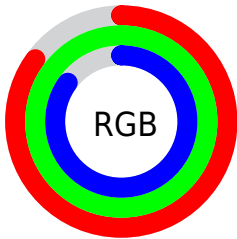
Format	Color
R _Y B	216, 254, 255
Decimal	14221273
CIE Lab	96.46, -19.44, 14.02
CIE LCh	96, 23.965, 144.208
Yxy	91.1287, 0.3102, 0.3690
Android (android.graphics.Color)	4292411353 (0xFFD8FFD9)
YUV	239.0070, -10.8495, -20.1771
Hunter-Lab	95.4614, -23.8118, 17.6171

Details

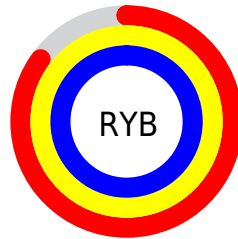
The Yxy color **91.1287, 0.3102, 0.3690** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.5253, 0.3152, 0.2920**, and the grayscale version is **86.4180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5739, 0.3096, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **86.3474, 0.3084, 0.3995**, and if you desaturate by 10%, it is **96.7115, 0.3119, 0.3419**.

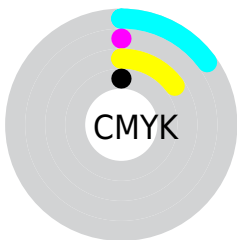
Distribution



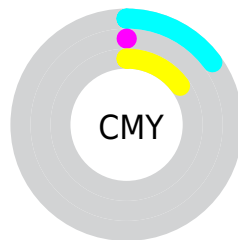
- Red (85%)
- Green (100%)
- Blue (85%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.1287, 0.3102, 0.3690 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 91.1287, 0.3102, 0.3690 by changing the saturation by 10% instead.


 91.1287, 0.3102,
0.3690

 91.1287, 0.3102,
0.3690


531.6957, 0.3116,
0.3507

 68.9172, 0.3098,
0.3731

148.9052, 0.3107,
0.3627

 50.6443, 0.3094,
0.3782


185.2390, 0.3109,
0.3602

 35.9256, 0.3088,
0.3846


227.0490, 0.3111,
0.3581

 24.3767, 0.3079,
0.3928

274.7195, 0.3112,
0.3563

 15.6133, 0.3066,
0.4039

328.6351, 0.3113,
0.3546

 9.2509, 0.3046,
0.4197

389.1800, 0.3114,

 4.9052, 0.3011,

0.3532

0.4436

456.7388, 0.3115,
0.3519

2.1918, 0.2938,
0.4842

0.7155, 0.2231,
0.7769

91.1287, 0.3102,
0.3690

91.1287, 0.3102,
0.3690

86.3474, 0.3084,
0.3995

96.7115, 0.3119,
0.3419

82.3244, 0.3065,
0.4329

100.0000, 0.3127,
0.3290

79.0228, 0.3046,
0.4681

76.3999, 0.3028,
0.5035

■ 74.4086, 0.3014,
0.5364

■ 72.9957, 0.3003,
0.5642

■ 72.0993, 0.2998,
0.5844

■ 71.6435, 0.2997,
0.5961

■ 71.5349, 0.2997,
0.5989

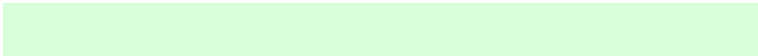
Harmonies

Analogous

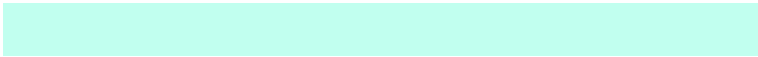
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1287, 0.3367, 0.3767



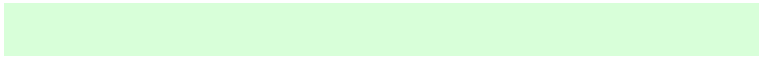
91.1287, 0.3102, 0.3690



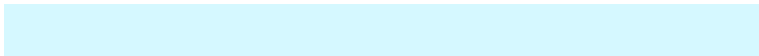
91.1287, 0.2851, 0.3490

Triad

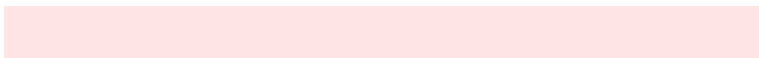
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.1287, 0.3102, 0.3690



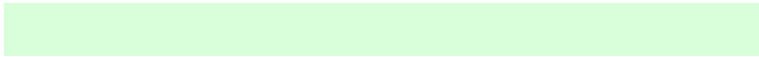
91.1287, 0.2692, 0.2875



91.1287, 0.3597, 0.3315

Complementary

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



91.1287, 0.3102, 0.3690



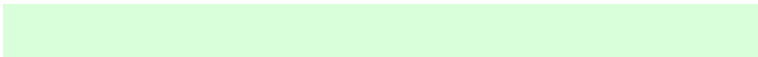
77.5253, 0.3152, 0.2920

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.



91.1287, 0.3401, 0.3098



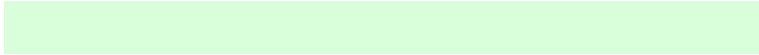
91.1287, 0.3102, 0.3690



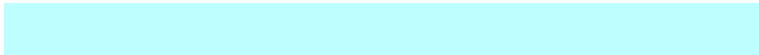
91.1287, 0.2876, 0.2849

Square

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



91.1287, 0.3102, 0.3690



91.1287, 0.2621, 0.3011



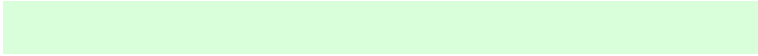
91.1287, 0.3135, 0.2931



91.1287, 0.3660, 0.3536

Rectangle

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



91.1287, 0.3102, 0.3690



91.1287, 0.2724, 0.3321



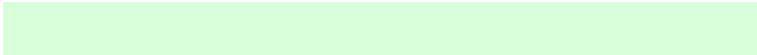
91.1287, 0.3135, 0.2931



91.1287, 0.3544, 0.3240

Sweetspot

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



91.1310, 0.3102, 0.3690



96.8879, 0.3119, 0.3412



97.6148, 0.3353, 0.3671



20.6480, 0.3118, 0.3430



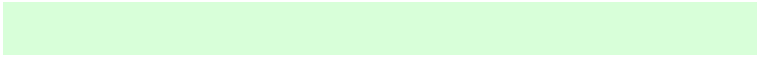
0.0000, 0.0000, 0.0000



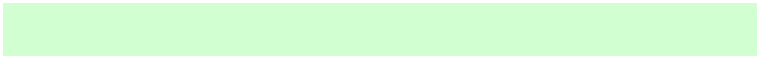
21.4041, 0.3127, 0.3290

Same Dimension

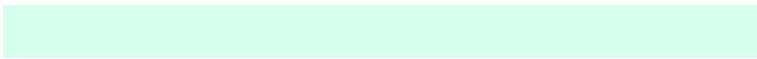
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.1310, 0.3102, 0.3690



89.7593, 0.3097, 0.3769



92.1839, 0.2996, 0.3485



20.1760, 0.3112, 0.3529



37.3819, 0.2996, 0.5984



3.6424, 0.2985, 0.5945

Inverse Universe

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



77.5253, 0.3152, 0.2920



74.0513, 0.3157, 0.2853



76.3617, 0.3282, 0.3103



18.2915, 0.3142, 0.3062



14.6600, 0.3277, 0.1579



1.4299, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 91.1287, 0.3102, 0.3690 looks on a white background.

Color Contrast Check

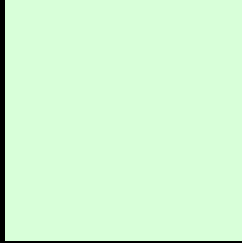
Large Text (above 18pt) WCAG AA × Fail

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 91.1287, 0.3102, 0.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

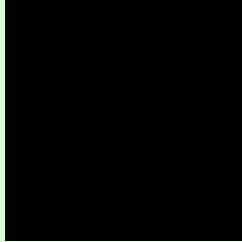
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

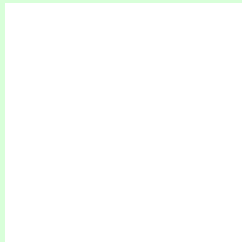
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.1287, 0.3102, 0.3690

Background



This preview shows how black text looks on a background with the Yxy color 91.1287, 0.3102, 0.3690.

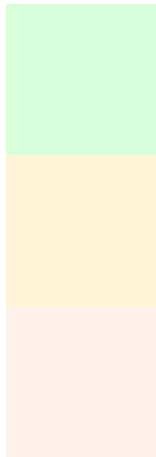


This preview shows how white text looks on a background with the Yxy color 91.1287, 0.3102, 0.3690.

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

91.1287, 0.3102, 0.3690

Protanopia

90.8677, 0.3380, 0.3577

Deuteranopia

90.8787, 0.3244, 0.3339



Tritanopia

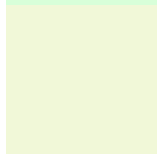
90.9644, 0.3012, 0.3201

Trichromacy



Original Color

91.1287, 0.3102, 0.3690



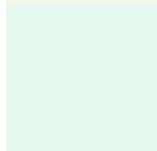
Protanomaly

90.7934, 0.3274, 0.3615



Deuteranomaly

90.9355, 0.3190, 0.3461



Tritanomaly

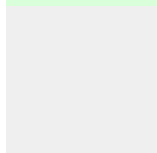
90.7603, 0.3048, 0.3371

Monochromacy



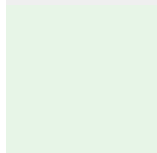
Original Color

91.1287, 0.3102, 0.3690



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.0633, 0.3120, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.1287, 0.3102, 0.3690 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(216, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 217)  
}
```

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(216, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 91.1287, 0.3102, 0.3690 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(216, 255, 217) }
```

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

```
.border{ border-color:rgb(216, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 91.1287, 0.3102, 0.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 217) }
```

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

```
.background{ background-color: rgb(216,  
255, 217) }
```

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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