

Converting Colors

$Y_{xy}(100.0000, 0.3190, 0.4022)$

Have a look what the booklet for
Yxy(100.0000, 0.3190, 0.4022)
contains.

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Color

Yxy(90.2425, 0.3204, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFC7
RGB	216, 255, 199
RGB Percent	85%, 100%, 78%
CMY	0.1530, 0.0000, 0.2196
CMYK	0.15, 0.00, 0.22, 0.00
HSL	102°, 100%, 89%
HSV	102°, 22%, 100%
XYZ	74.3856, 90.2425, 67.5368
YIQ	236.9550, -5.2680, -25.6840

Conversions

Conversions Part 2

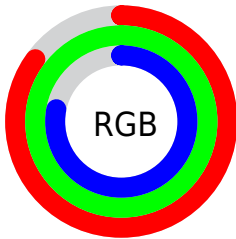
Format	Color
RYB	199, 255, 238
Decimal	14221255
CIELab	96.10, -22.41, 22.71
CIELCh	96, 31.899, 134.618
Yxy	90.2425, 0.3204, 0.3887
Android (android.graphics.Color)	4292411335 (0xFFD8FFC7)
YUV	236.9550, -18.7118, -18.3775
Hunter-Lab	94.9961, -26.4706, 24.3454

Details

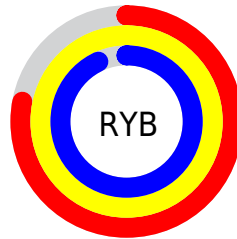
The Yxy color **90.2425, 0.3204, 0.3887** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.2537, 0.3028, 0.2721**, and the grayscale version is **84.7987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0096, 0.3217, 0.4022** is the 20% darker color. If you saturate the color by 10%, you get **86.5925, 0.3233, 0.4198**, and if you desaturate by 10%, it is **94.3808, 0.3170, 0.3599**.

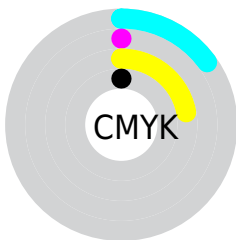
Distribution



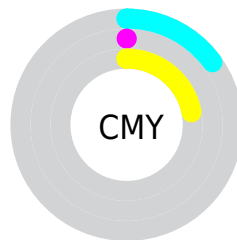
- Red (85%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2425, 0.3204, 0.3887 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 90.2425, 0.3204, 0.3887 by changing the saturation by 10% instead.

 90.2425, 0.3204,
0.3887

 90.2425, 0.3204,
0.3887

528.8194, 0.3175,
0.3612

 68.1818, 0.3209,
0.3949

147.6752, 0.3195,
0.3792

 50.0456, 0.3215,
0.4026

183.8160, 0.3191,
0.3755

 35.4497, 0.3220,
0.4123

225.4189, 0.3188,
0.3723

 24.0095, 0.3226,
0.4248

272.8683, 0.3185,
0.3695

 15.3406, 0.3230,
0.4417

326.5487, 0.3182,
0.3670

 9.0588, 0.3229,
0.4656

386.8444, 0.3179,

 4.7796, 0.3211,

0.3649

0.5017

454.1398, 0.3177,
0.3629

■ 2.1185, 0.3241,
0.5794

■ 0.6750, 0.1230,
0.8770

■ 90.2425, 0.3204,
0.3887

■ 90.2425, 0.3204,
0.3887

■ 86.5925, 0.3233,
0.4198

■ 94.3808, 0.3170,
0.3599

■ 83.4159, 0.3255,
0.4523


■ 99.0296, 0.3134,
0.3338

■ 80.6909, 0.3267,
0.4851


■ 100.0000, 0.3127,
0.3290

■ 78.3952, 0.3266,
0.5164

 76.5047, 0.3250,
0.5441

 74.9925, 0.3218,
0.5663

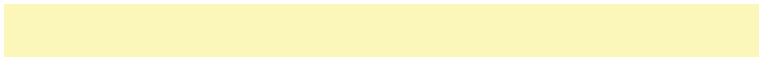
 73.8275, 0.3173,
0.5817

 73.1109, 0.3132,
0.5895

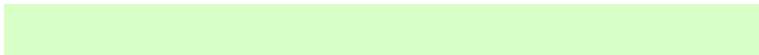
Harmonies

Analogous

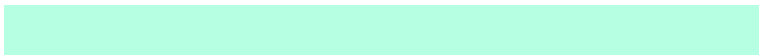
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2425, 0.3544, 0.3922



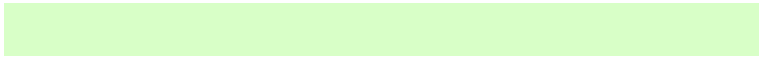
90.2425, 0.3204, 0.3887



90.2425, 0.2856, 0.3660

Triad

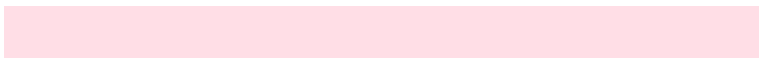
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2425, 0.3204, 0.3887



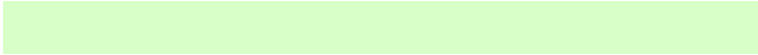
90.2425, 0.2506, 0.2780



90.2425, 0.3689, 0.3223

Complementary

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



90.2425, 0.3204, 0.3887



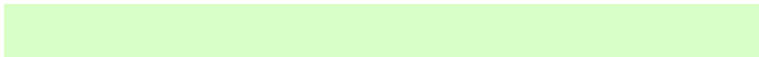
66.2537, 0.3028, 0.2721

Split Complementary

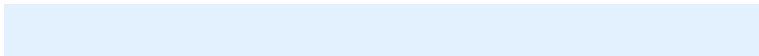
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2425, 0.3382, 0.2957



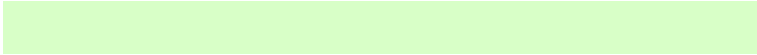
90.2425, 0.3204, 0.3887



90.2425, 0.2702, 0.2705

Square

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



90.2425, 0.3204, 0.3887



90.2425, 0.2466, 0.2998



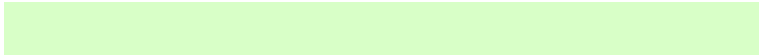
90.2425, 0.3018, 0.2771



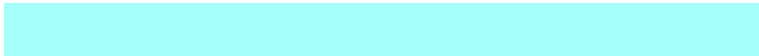
90.2425, 0.3837, 0.3517

Rectangle

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



90.2425, 0.3204, 0.3887



90.2425, 0.2665, 0.3439



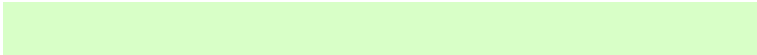
90.2425, 0.3018, 0.2771



90.2425, 0.3600, 0.3128

Sweetspot

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



90.2411, 0.3204, 0.3887



96.6201, 0.3153, 0.3466



86.1092, 0.3495, 0.3674



20.6208, 0.3155, 0.3482



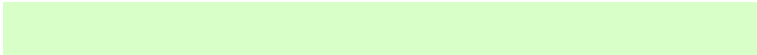
0.0000, 0.0000, 0.0000



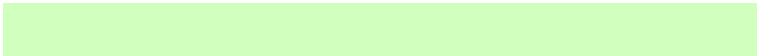
21.4041, 0.3127, 0.3290

Same Dimension

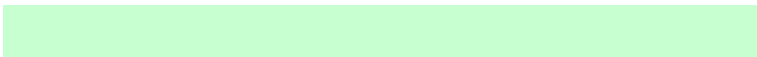
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2411, 0.3204, 0.3887



88.7075, 0.3217, 0.4010



88.2809, 0.3042, 0.3790



20.4351, 0.3162, 0.3532



38.2699, 0.3143, 0.5887



3.7804, 0.3225, 0.5821

Inverse Universe

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



66.2537, 0.3028, 0.2721



61.1311, 0.3006, 0.2610



68.6888, 0.3226, 0.2837



18.0078, 0.3089, 0.3052



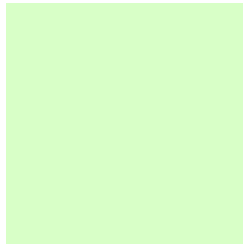
8.7806, 0.2453, 0.1125



0.9122, 0.2541, 0.1174

Previews

White Background



This preview shows how the Yxy color 90.2425, 0.3204, 0.3887 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 90.2425, 0.3204, 0.3887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

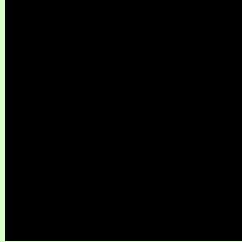
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

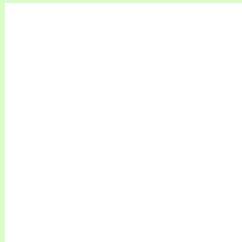
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2425, 0.3204, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 90.2425, 0.3204, 0.3887.

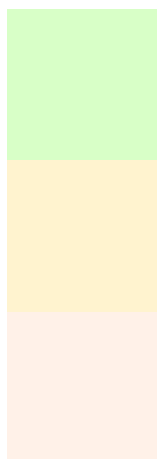


This preview shows how white text looks on a background with the Yxy color 90.2425, 0.3204, 0.3887.

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

90.2425, 0.3204, 0.3887

Protanopia

89.8662, 0.3432, 0.3648

Deuteranopia

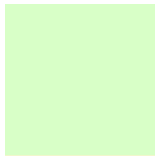
89.9968, 0.3276, 0.3379



Tritanopia

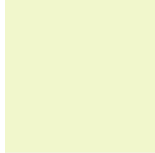
90.1870, 0.3006, 0.3190

Trichromacy



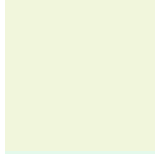
Original Color

90.2425, 0.3204, 0.3887



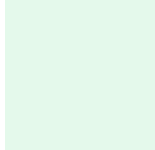
Protanomaly

89.5819, 0.3349, 0.3730



Deuteranomaly

89.7796, 0.3252, 0.3554



Tritanomaly

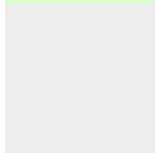
90.2435, 0.3076, 0.3433

Monochromacy



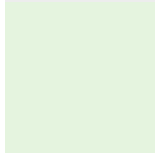
Original Color

90.2425, 0.3204, 0.3887



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.6871, 0.3156, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2425, 0.3204, 0.3887 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 199) }
```

Border

The CSS property to change the border of an element to Yxy 90.2425, 0.3204, 0.3887 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, 199) }
```

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

```
.border{ border-color:rgb(216, 255, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2425, 0.3204, 0.3887 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, 199) }
```

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

```
.background{ background-color: rgb(216,  
255, 199) }
```

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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