

Converting Colors

$Y_{xy}(105.3695, 0.3358, 0.4358)$

Have a look what the booklet for
Yxy(105.3695, 0.3358, 0.4358)
contains.

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Color

Yxy(90.1865, 0.3403, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	DFFFAC
RGB	223, 255, 172
RGB Percent	87%, 100%, 67%
CMY	0.1256, 0.0000, 0.3255
CMYK	0.13, 0.00, 0.33, 0.00
HSL	83°, 100%, 84%
HSV	83°, 33%, 100%
XYZ	73.6336, 90.1865, 52.5583
YIQ	235.9700, 7.5710, -32.5970

Conversions

Conversions Part 2

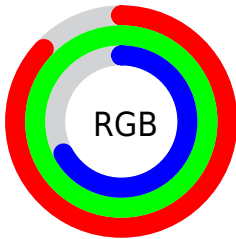
Format	Color
RYB	172, 255, 204
Decimal	14679980
CIELab	96.07, -23.86, 36.34
CIElCh	96, 43.477, 123.289
Yxy	90.1865, 0.3403, 0.4168
Android (android.graphics.Color)	4292870060 (0xFFDFFFAC)
YUV	235.9700, -31.5372, -11.3747
Hunter-Lab	94.9666, -27.7892, 33.6631

Details

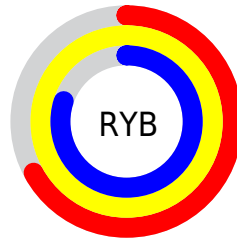
The Yxy color **90.1865, 0.3403, 0.4168** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.5683, 0.2769, 0.2378**, and the grayscale version is **84.0933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **49.9356, 0.3449, 0.4365** is the 20% darker color. If you saturate the color by 10%, you get **87.7786, 0.3476, 0.4456**, and if you desaturate by 10%, it is **92.8676, 0.3321, 0.3883**.

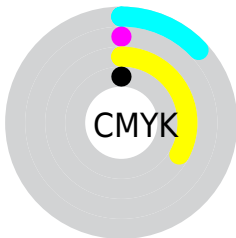
Distribution



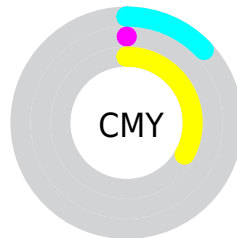
- Red (87%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (80%)



- Cyan (13%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1865, 0.3403, 0.4168 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 90.1865, 0.3403, 0.4168 by changing the saturation by 10% instead.

 90.1865, 0.3403,
0.4168

 90.1865, 0.3403,
0.4168


528.6373, 0.3291,
0.3764

 68.1353, 0.3424,
0.4259


 147.5974, 0.3368,
0.4029

 50.0078, 0.3449,
0.4370


183.7260, 0.3353,
0.3974

 35.4196, 0.3476,
0.4509


225.3158, 0.3340,
0.3927

 23.9863, 0.3505,
0.4687


272.7512, 0.3328,
0.3886

 15.3235, 0.3535,
0.4922

326.4167, 0.3317,
0.3850

 9.0467, 0.3556,
0.5241

386.6966, 0.3308,

 4.7717, 0.3560,

0.3818

0.5719

453.9754, 0.3299,
0.3789

■ 2.1139, 0.3500,
0.6500

■ 0.6724, 0.0776,
0.9224

■ 90.1865, 0.3403,
0.4168

■ 90.1865, 0.3403,
0.4168

■ 87.7786, 0.3476,
0.4456

■ 92.8676, 0.3321,
0.3883

■ 85.6400, 0.3535,
0.4736

■ 95.8417, 0.3236,
0.3609

■ 83.7544, 0.3576,
0.4995

■ 99.1167, 0.3149,
0.3352

■ 82.1068, 0.3594,
0.5219

100.0000, 0.3127,
0.3290

■ 80.6804, 0.3588,
0.5397

■ 79.4545, 0.3557,
0.5522

■ 78.6500, 0.3522,
0.5586

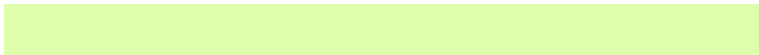
Harmonies

Analogous

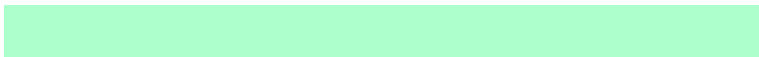
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1865, 0.3830, 0.4093



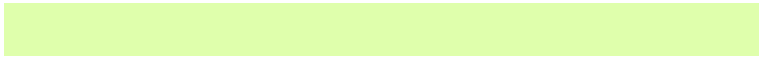
90.1865, 0.3403, 0.4168



90.1865, 0.2922, 0.3953

Triad

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



90.1865, 0.3403, 0.4168



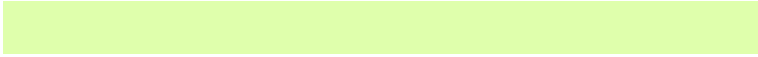
90.1865, 0.2254, 0.2684



90.1865, 0.3754, 0.3051

Complementary

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



90.1865, 0.3403, 0.4168



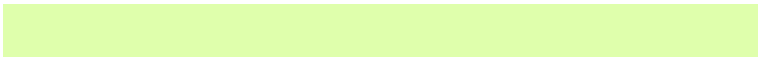
49.5683, 0.2769, 0.2378

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.



90.1865, 0.3282, 0.2738



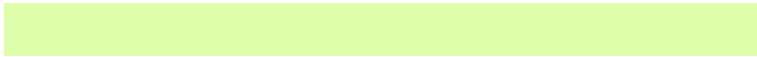
90.1865, 0.3403, 0.4168



90.1865, 0.2434, 0.2522

Square

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



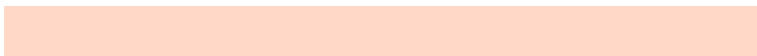
90.1865, 0.3403, 0.4168



90.1865, 0.2281, 0.3034



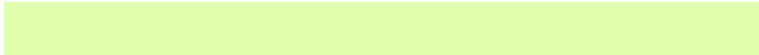
90.1865, 0.2799, 0.2548



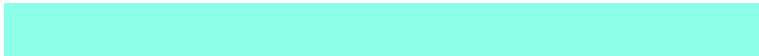
90.1865, 0.4054, 0.3431

Rectangle

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



90.1865, 0.3403, 0.4168



90.1865, 0.2636, 0.3673



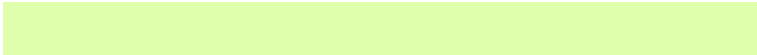
90.1865, 0.2799, 0.2548



90.1865, 0.3608, 0.2936

Sweetspot

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



90.1837, 0.3403, 0.4168



96.6468, 0.3214, 0.3542



67.3392, 0.3778, 0.3622



20.5908, 0.3226, 0.3579



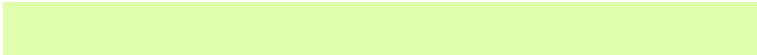
0.0000, 0.0000, 0.0000



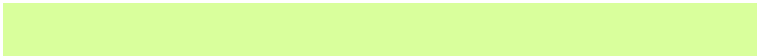
21.4041, 0.3127, 0.3290

Same Dimension

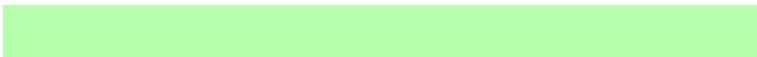
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1837, 0.3403, 0.4168



88.6005, 0.3451, 0.4354



84.4060, 0.3139, 0.4244



20.7204, 0.3209, 0.3529



41.1850, 0.3532, 0.5577



4.0730, 0.3607, 0.5518

Inverse Universe

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



49.5683, 0.2769, 0.2378



42.3047, 0.2679, 0.2176



56.1970, 0.3088, 0.2459



17.7193, 0.3039, 0.3049



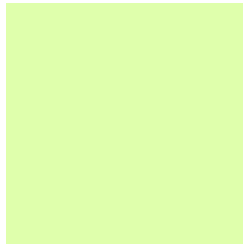
5.2199, 0.1820, 0.0776



0.5689, 0.1945, 0.0845

Previews

White Background



This preview shows how the Yxy color 90.1865, 0.3403, 0.4168 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 90.1865, 0.3403, 0.4168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

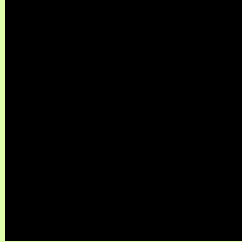
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.1865, 0.3403, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 90.1865, 0.3403, 0.4168.

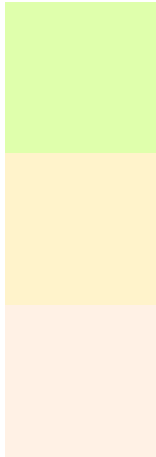


This preview shows how white text looks on a background with the Yxy color 90.1865, 0.3403, 0.4168.

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

90.1865, 0.3403, 0.4168

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

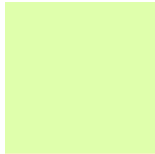
89.8277, 0.3295, 0.3408



Tritanopia

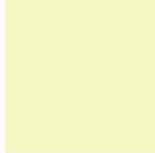
89.6719, 0.3031, 0.3171

Trichromacy



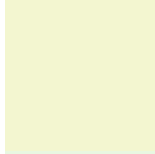
Original Color

90.1865, 0.3403, 0.4168



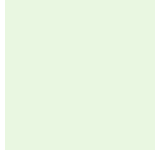
Protanomaly

89.3820, 0.3436, 0.3852



Deuteranomaly

89.5203, 0.3339, 0.3677



Tritanomaly

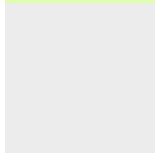
89.2814, 0.3168, 0.3516

Monochromacy



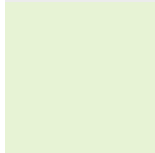
Original Color

90.1865, 0.3403, 0.4168



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8942, 0.3231, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1865, 0.3403, 0.4168 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(223, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 172)  
}
```

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(223, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 90.1865, 0.3403, 0.4168 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(223, 255, 172) }
```

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

```
.border{ border-color:rgb(223, 255, 172) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1865, 0.3403, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 172) }
```

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

```
.background{ background-color: rgb(223,  
255, 172) }
```

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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