

Converting Colors

$Yxy(69.8777, 0.3128, 0.4224)$

Have a look what the booklet for
Yxy(69.8777, 0.3128, 0.4224)
contains.

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Color

Yxy(70.1702, 0.3128, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	A7EBA0
RGB	167, 235, 160
RGB Percent	65%, 92%, 63%
CMY	0.3449, 0.0785, 0.3725
CMYK	0.29, 0.00, 0.32, 0.08
HSL	114°, 65%, 77%
HSV	114°, 32%, 92%
XYZ	52.0001, 70.1702, 44.0704
YIQ	206.1180, -16.4530, -37.7410

Conversions

Conversions Part 2

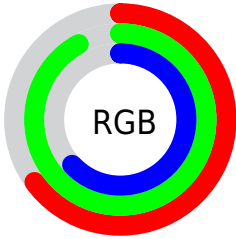
Format	Color
RYB	160, 235, 228
Decimal	11004832
CIELab	87.08, -35.37, 29.78
CIELCh	87, 46.241, 139.904
Yxy	70.1702, 0.3128, 0.4221
Android (android.graphics.Color)	4289194912 (0xFFA7EBA0)
YUV	206.1180, -22.7362, -34.3065
Hunter-Lab	83.7677, -35.7867, 27.4447

Details

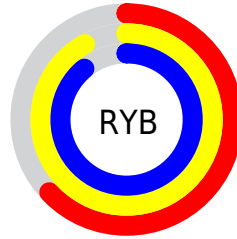
The Yxy color **70.1702, 0.3128, 0.4221** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.6342, 0.3104, 0.2483**, and the grayscale version is **61.9670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2736, 0.3163, 0.3706**, and **36.8336, 0.3111, 0.4469** is the 20% darker color. If you saturate the color by 10%, you get **67.2944, 0.3122, 0.4567**, and if you desaturate by 10%, it is **73.5893, 0.3130, 0.3896**.

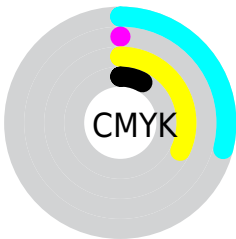
Distribution



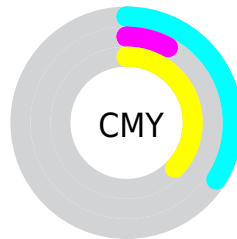
- Red (65%)
- Green (92%)
- Blue (63%)



- Red (63%)
- Yellow (92%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (32%)
- Black (8%)





- Cyan (34%)
- Magenta (8%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1702, 0.3128, 0.4221 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 70.1702, 0.3128, 0.4221 by changing the saturation by 10% instead.

 70.1702, 0.3128,
0.4221


 70.1702, 0.3128,
0.4221


461.1474, 0.3141,
0.3765

 51.6653, 0.3121,
0.4331


 119.4514, 0.3136,
0.4058

 36.7384, 0.3110,
0.4471


 150.9966, 0.3138,
0.3996

 25.0050, 0.3093,
0.4652


187.6572, 0.3139,
0.3943

 16.0808, 0.3063,
0.4896

229.8178, 0.3140,
0.3897

 9.5813, 0.3009,
0.5240

277.8627, 0.3140,
0.3858

 5.1223, 0.2901,
0.5753


332.1764, 0.3141,

 2.3192, 0.2878,


0.3823


0.7122

393.1431, 0.3141,
0.3792

 0.7838, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 70.1702, 0.3128,
0.4221

 70.1702, 0.3128,
0.4221


 67.2944, 0.3122,
0.4567

 73.5893, 0.3130,
0.3896

 64.9255, 0.3111,
0.4919

 77.5683, 0.3130,
0.3600

 63.0366, 0.3097,
0.5255

 82.1340, 0.3128,
0.3336

 61.5947, 0.3077,
0.5549

 87.3088, 0.3124,
0.3105

■ 60.5626, 0.3055,
0.5777

■ 87.8926, 0.3136,
0.3097

■ 59.8968, 0.3033,
0.5923

■ 59.5837, 0.3018,
0.5986

Harmonies

Analogous

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



70.1702, 0.3673, 0.4306



70.1702, 0.3128, 0.4221



70.1702, 0.2609, 0.3797

Triad

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



70.1702, 0.3128, 0.4221



70.1702, 0.2217, 0.2465



70.1702, 0.4081, 0.3245

Complementary

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



70.1702, 0.3128, 0.4221



47.6342, 0.3104, 0.2483

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.



70.1702, 0.3620, 0.2842



70.1702, 0.3128, 0.4221



70.1702, 0.2540, 0.2407

Square

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



70.1702, 0.3128, 0.4221



70.1702, 0.2115, 0.2741



70.1702, 0.3044, 0.2545



70.1702, 0.4254, 0.3684

Rectangle

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



70.1702, 0.3128, 0.4221



70.1702, 0.2346, 0.3414



70.1702, 0.3044, 0.2545



70.1702, 0.3952, 0.3103

Sweetspot

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



70.1732, 0.3128, 0.4221



94.3430, 0.3130, 0.3548



75.4096, 0.3631, 0.4014



20.0356, 0.3130, 0.3587



0.0000, 0.0000, 0.0000



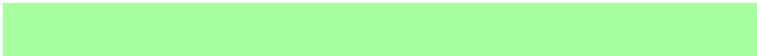
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1732, 0.3128, 0.4221



82.2286, 0.3125, 0.4436



70.6066, 0.2913, 0.3845



16.9297, 0.3130, 0.3533



33.1872, 0.3022, 0.5982



2.6291, 0.3076, 0.5940

Inverse Universe

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



47.6342, 0.3104, 0.2483



51.2839, 0.3097, 0.2326



47.2183, 0.3425, 0.2796



15.2378, 0.3123, 0.3057



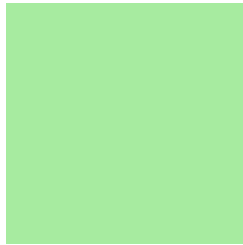
11.2372, 0.2974, 0.1412



0.9034, 0.3009, 0.1431

Previews

White Background



This preview shows how the Yxy color 70.1702, 0.3128, 0.4221 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 70.1702, 0.3128, 0.4221 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 70.1702, 0.3128, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 70.1702, 0.3128, 0.4221.

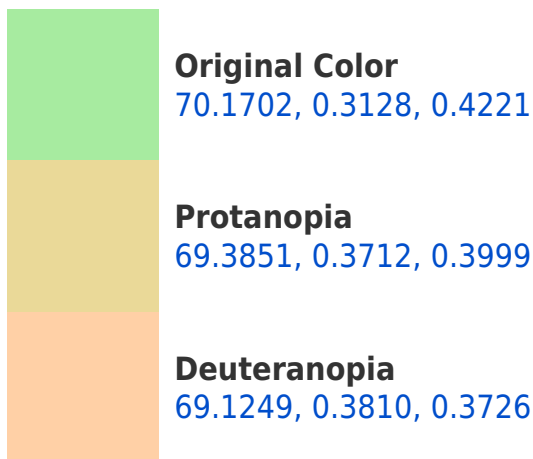


This preview shows how white text looks on a background with the Yxy color 70.1702, 0.3128, 0.4221.

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





Tritanopia

70.2666, 0.2740, 0.3086

Trichromacy



Original Color

70.1702, 0.3128, 0.4221



Protanomaly

69.3795, 0.3483, 0.4086



Deuteranomaly

68.5111, 0.3539, 0.3897



Tritanomaly

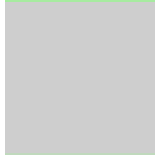
70.1898, 0.2882, 0.3478

Monochromacy



Original Color

70.1702, 0.3128, 0.4221



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.5063, 0.3133, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1702, 0.3128, 0.4221 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(167, 235, 160)` looks like.

```
.text, #text, p{  
    color:rgb(167, 235, 160)  
}
```

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(167, 235, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 235, 160) }
```

Border

The CSS property to change the border of an element to Yxy 70.1702, 0.3128, 0.4221 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(167, 235, 160) }
```

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

```
.border{ border-color:rgb(167, 235, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 235, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 235, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 235, 160);  
box-shadow:4px 4px 4px 4px rgb(167, 235,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1702, 0.3128, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 235, 160) }
```

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

```
.background{ background-color: rgb(167,  
235, 160) }
```

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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