

Converting Colors

$Yxy(72.3168, 0.3018, 0.3917)$

Have a look what the booklet for
Yxy(72.3168, 0.3018, 0.3917)
contains.

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Color

Yxy(72.2223, 0.3021, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	ACECB8
RGB	172, 236, 184
RGB Percent	67%, 93%, 72%
CMY	0.3255, 0.0745, 0.2784
CMYK	0.27, 0.00, 0.22, 0.07
HSL	131°, 63%, 80%
HSV	131°, 27%, 93%
XYZ	55.6591, 72.2223, 56.3592
YIQ	210.9360, -21.4520, -29.7400

Conversions

Conversions Part 2

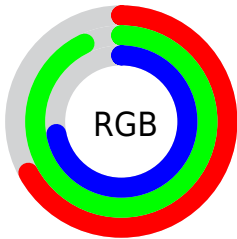
Format	Color
RYB	172, 226, 236
Decimal	11332792
CIELab	88.08, -30.29, 18.86
CIELCh	88, 35.678, 148.092
Yxy	72.2223, 0.3021, 0.3920
Android (android.graphics.Color)	4289522872 (0xFFACECB8)
YUV	210.9360, -13.2794, -34.1469
Hunter-Lab	84.9837, -31.8150, 20.1689

Details

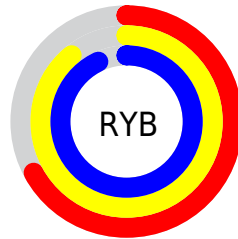
The Yxy color **72.2223, 0.3021, 0.3920** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.7155, 0.3256, 0.2733**, and the grayscale version is **65.1974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4693, 0.3053, 0.3441**, and **38.1328, 0.2986, 0.4083** is the 20% darker color. If you saturate the color by 10%, you get **69.0378, 0.2985, 0.4200**, and if you desaturate by 10%, it is **75.9959, 0.3060, 0.3664**.

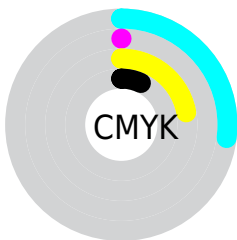
Distribution



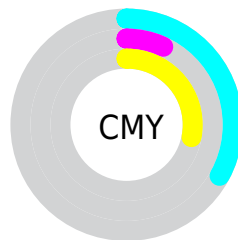
- Red (67%)
- Green (93%)
- Blue (72%)



- Red (67%)
- Yellow (89%)
- Blue (93%)



- Cyan (27%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)





- Cyan (33%)
- Magenta (7%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2223, 0.3021, 0.3920 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 72.2223, 0.3021, 0.3920 by changing the saturation by 10% instead.

 72.2223, 0.3021,
0.3920

 72.2223, 0.3021,
0.3920


468.3150, 0.3077,
0.3616

 53.3403, 0.3007,
0.3993


 122.3725, 0.3042,
0.3812

 38.0745, 0.2988,
0.4084


154.4095, 0.3049,
0.3770

 26.0405, 0.2963,
0.4203

191.6003, 0.3056,
0.3735

 16.8539, 0.2927,
0.4363

234.3293, 0.3061,
0.3705

 10.1304, 0.2873,
0.4590

282.9809, 0.3066,
0.3678

 5.4855, 0.2785,
0.4933


337.9394, 0.3070,

 2.5348, 0.2620,


0.3655


0.5510

399.5893, 0.3073,
0.3634


 0.8940, 0.1099,
0.8901


 0.0000, 0.0000,
0.0000

 72.2223, 0.3021,
0.3920


 72.2223, 0.3021,
0.3920

 69.0378, 0.2985,
0.4200

 75.9959, 0.3060,
0.3664


 66.4040, 0.2954,
0.4500

 80.3769, 0.3099,
0.3436

 64.2918, 0.2930,
0.4808

 85.3940, 0.3138,
0.3235

 62.6658, 0.2917,
0.5109

 88.4749, 0.3136,
0.3107

■ 61.4861, 0.2916,
0.5386

■ 60.7064, 0.2927,
0.5621

■ 60.2675, 0.2949,
0.5798

■ 60.1791, 0.2955,
0.5839

Harmonies

Analogous

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



72.2223, 0.3448, 0.4068



72.2223, 0.3021, 0.3920



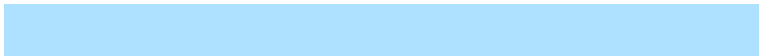
72.2223, 0.2639, 0.3560

Triad

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



72.2223, 0.3021, 0.3920



72.2223, 0.2469, 0.2619



72.2223, 0.3915, 0.3361

Complementary

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



72.2223, 0.3021, 0.3920



52.7155, 0.3256, 0.2733

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.



72.2223, 0.3616, 0.3025



72.2223, 0.3021, 0.3920



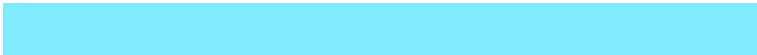
72.2223, 0.2771, 0.2611

Square

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



72.2223, 0.3021, 0.3920



72.2223, 0.2338, 0.2798



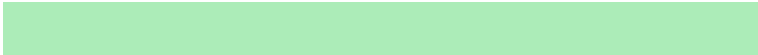
72.2223, 0.3189, 0.2758



72.2223, 0.3982, 0.3703

Rectangle

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



72.2223, 0.3021, 0.3920



72.2223, 0.2458, 0.3274



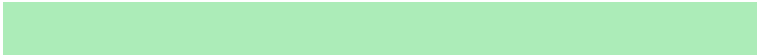
72.2223, 0.3189, 0.2758



72.2223, 0.3837, 0.3245

Sweetspot

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



72.2253, 0.3021, 0.3920



95.3126, 0.3096, 0.3456



78.8634, 0.3452, 0.3987



20.2239, 0.3090, 0.3489



0.0000, 0.0000, 0.0000



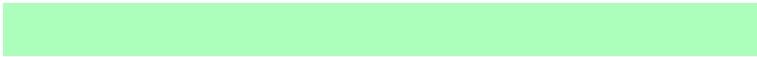
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2253, 0.3021, 0.3920



83.7341, 0.2999, 0.4086



73.7083, 0.2841, 0.3527



16.9084, 0.3090, 0.3487



33.1836, 0.2949, 0.5818



2.6187, 0.2883, 0.5578

Inverse Universe

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



52.7155, 0.3256, 0.2733



56.5728, 0.3291, 0.2608



51.1519, 0.3530, 0.3066



15.2624, 0.3167, 0.3101



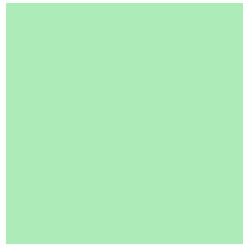
11.9379, 0.3749, 0.1839



0.9499, 0.3660, 0.1790

Previews

White Background



This preview shows how the Yxy color 72.2223, 0.3021, 0.3920 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 72.2223, 0.3021, 0.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

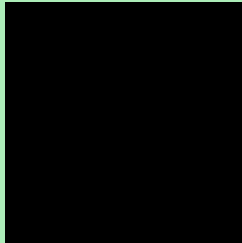
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.2223, 0.3021, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 72.2223, 0.3021, 0.3920.

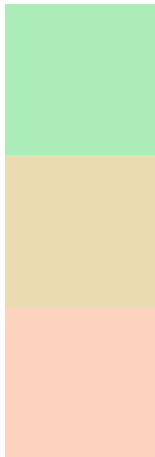


This preview shows how white text looks on a background with the Yxy color 72.2223, 0.3021, 0.3920.

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

72.2223, 0.3021, 0.3920

Protanopia

71.8134, 0.3535, 0.3769

Deuteranopia

71.4565, 0.3600, 0.3530



Tritanopia

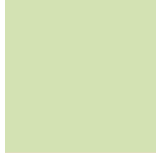
72.3310, 0.2738, 0.3088

Trichromacy



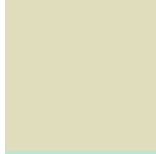
Original Color

72.2223, 0.3021, 0.3920



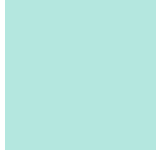
Protanomaly

71.4963, 0.3328, 0.3826



Deuteranomaly

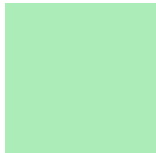
70.9887, 0.3372, 0.3668



Tritanomaly

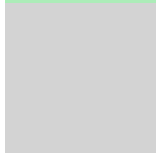
72.1828, 0.2845, 0.3382

Monochromacy



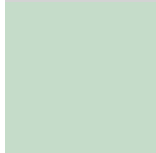
Original Color

72.2223, 0.3021, 0.3920



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.2738, 0.3088, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2223, 0.3021, 0.3920 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(172, 236, 184)` looks like.

```
.text, #text, p{  
    color:rgb(172, 236, 184)  
}
```

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(172, 236, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 236, 184) }
```

Border

The CSS property to change the border of an element to Yxy 72.2223, 0.3021, 0.3920 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(172, 236, 184) }
```

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

```
.border{ border-color:rgb(172, 236, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 236, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 236, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 236, 184);  
box-shadow:4px 4px 4px 4px rgb(172, 236,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2223, 0.3021, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 236, 184) }
```

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

```
.background{ background-color: rgb(172,  
236, 184) }
```

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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