

Converting Colors

$Yxy(72.2775, 0.3242, 0.4451)$

Have a look what the booklet for
Yxy(72.2775, 0.3242, 0.4451)
contains.

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Color

Yxy(72.4045, 0.3239, 0.4451)

Conversions

Conversions Part 1

Format	Color
Hex	ABEF90
RGB	171, 239, 144
RGB Percent	67%, 94%, 56%
CMY	0.3295, 0.0627, 0.4354
CMYK	0.28, 0.00, 0.40, 0.06
HSL	103°, 75%, 75%
HSV	103°, 40%, 94%
XYZ	52.6889, 72.4045, 37.5768
YIQ	207.8380, -10.0330, -43.9610

Conversions

Conversions Part 2

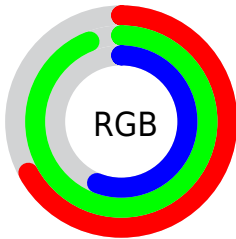
Format	Color
RYB	144, 239, 212
Decimal	11267984
CIELab	88.16, -38.24, 39.30
CIELCh	88, 54.838, 134.215
Yxy	72.4045, 0.3239, 0.4451
Android (android.graphics.Color)	4289458064 (0xFFABEF90)
YUV	207.8380, -31.4721, -32.3069
Hunter-Lab	85.0908, -38.3804, 33.3806

Details

The Yxy color **72.4045, 0.3239, 0.4451** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.1758, 0.2936, 0.2238**, and the grayscale version is **63.1753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1375, 0.3281, 0.3873**, and **38.3527, 0.3235, 0.4760** is the 20% darker color. If you saturate the color by 10%, you get **69.9539, 0.3251, 0.4781**, and if you desaturate by 10%, it is **75.2648, 0.3218, 0.4127**.

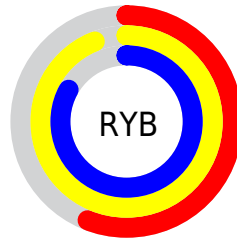
Distribution



Red (67%)

Green (94%)

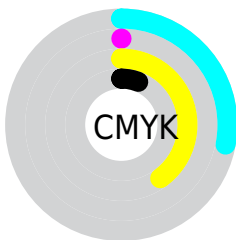
Blue (56%)



Red (56%)

Yellow (94%)

Blue (83%)

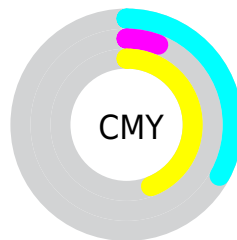


Cyan (28%)

Magenta (0%)

Yellow (40%)

Black (6%)



Cyan (33%)


Magenta (6%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4045, 0.3239, 0.4451 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 72.4045, 0.3239, 0.4451 by changing the saturation by 10% instead.


 72.4045, 0.3239,
0.4451


 72.4045, 0.3239,
0.4451


468.9483, 0.3208,
0.3884

 53.4892, 0.3240,
0.4586


 122.6314, 0.3233,
0.4249

 38.1934, 0.3236,
0.4756


 154.7119, 0.3230,
0.4172

 26.1328, 0.3226,
0.4974


191.9494, 0.3226,
0.4106

 16.9230, 0.3201,
0.5263

234.7285, 0.3222,
0.4050

 10.1796, 0.3145,
0.5659

283.4336, 0.3218,
0.4000

 5.5182, 0.3027,
0.6241


338.4490, 0.3215,

 2.5544, 0.2783,


0.3957

0.7217


400.1591, 0.3212,
0.3918


 0.9038, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.4045, 0.3239,
0.4451


 72.4045, 0.3239,
0.4451


 69.9539, 0.3251,
0.4781


 75.2648, 0.3218,
0.4127


 67.8844, 0.3251,
0.5101

 78.5436, 0.3191,
0.3820

 66.1780, 0.3237,
0.5390

 82.2606, 0.3159,
0.3539

 64.8114, 0.3208,
0.5628

 86.4318, 0.3126,
0.3284

■ 63.7580, 0.3167,
0.5799

■ 90.2200, 0.3134,
0.3136

■ 62.9805, 0.3119,
0.5904

■ 62.9643, 0.3118,
0.5906

Harmonies

Analogous

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



72.4045, 0.3860, 0.4450



72.4045, 0.3239, 0.4451



72.4045, 0.2620, 0.4012

Triad

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



72.4045, 0.3239, 0.4451



72.4045, 0.2037, 0.2371



72.4045, 0.4166, 0.3133

Complementary

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



72.4045, 0.3239, 0.4451



40.1758, 0.2936, 0.2238

Split Complementary

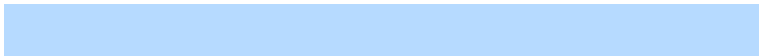
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4045, 0.3576, 0.2696



72.4045, 0.3239, 0.4451



72.4045, 0.2356, 0.2268

Square

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



72.4045, 0.3239, 0.4451



72.4045, 0.1970, 0.2728



72.4045, 0.2901, 0.2389



72.4045, 0.4440, 0.3632

Rectangle

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



72.4045, 0.3239, 0.4451



72.4045, 0.2293, 0.3562



72.4045, 0.2901, 0.2389



72.4045, 0.3995, 0.2977

Sweetspot

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



72.4076, 0.3239, 0.4451



94.2622, 0.3167, 0.3601



66.7083, 0.3834, 0.4009



20.0522, 0.3171, 0.3637



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.



72.4076, 0.3239, 0.4451



81.4568, 0.3250, 0.4729



70.3119, 0.2970, 0.4263



17.8737, 0.3158, 0.3531



34.8487, 0.3128, 0.5898



2.9476, 0.3223, 0.5823

Inverse Universe

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



40.1758, 0.2936, 0.2238



39.1393, 0.2880, 0.2014



43.4623, 0.3343, 0.2484



15.7928, 0.3092, 0.3054



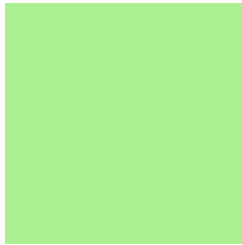
8.3064, 0.2501, 0.1152



0.7410, 0.2597, 0.1205

Previews

White Background



This preview shows how the Yxy color 72.4045, 0.3239, 0.4451 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 72.4045, 0.3239, 0.4451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

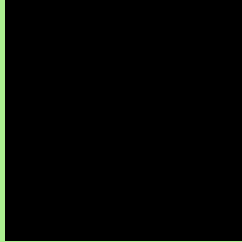
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.4045, 0.3239, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 72.4045, 0.3239, 0.4451.

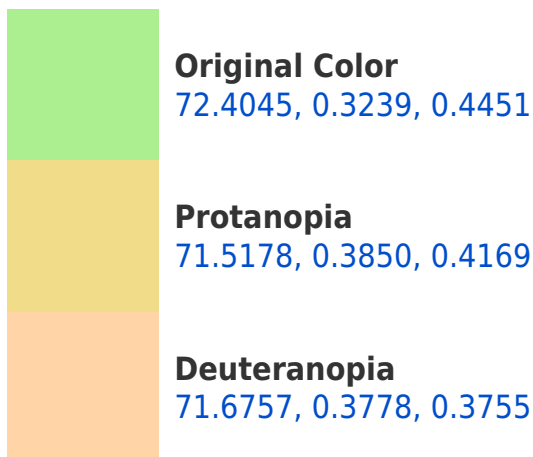


This preview shows how white text looks on a background with the Yxy color 72.4045, 0.3239, 0.4451.

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

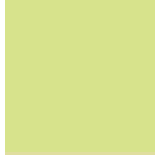
72.2221, 0.2767, 0.3089

Trichromacy



Original Color

72.4045, 0.3239, 0.4451



Protanomaly

71.2787, 0.3609, 0.4271



Deuteranomaly

70.5930, 0.3570, 0.3993



Tritanomaly

71.6510, 0.2944, 0.3560

Monochromacy



Original Color

72.4045, 0.3239, 0.4451



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.7679, 0.3180, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4045, 0.3239, 0.4451 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(171, 239, 144)` looks like.

```
.text, #text, p{  
    color:rgb(171, 239, 144)  
}
```

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(171, 239, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 239, 144) }
```

Border

The CSS property to change the border of an element to Yxy 72.4045, 0.3239, 0.4451 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(171, 239, 144) }
```

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

```
.border{ border-color:rgb(171, 239, 144) }
```

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

Here you see how a box with a 4 pixel rgb(171, 239, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 239, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 239, 144);  
box-shadow:4px 4px 4px 4px rgb(171, 239,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4045, 0.3239, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 239, 144) }
```

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

```
.background{ background-color: rgb(171,  
239, 144) }
```

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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