

Converting Colors

$Yxy(69.4007, 0.2970, 0.3607)$

Have a look what the booklet for
Yxy(69.4007, 0.2970, 0.3607)
contains.

Yxy(69.4071, 0.2972, 0.3612)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.4071, 0.2972, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	B4E4C9
RGB	180, 228, 201
RGB Percent	71%, 89%, 79%
CMY	0.2941, 0.1059, 0.2118
CMYK	0.21, 0.00, 0.12, 0.11
HSL	146°, 47%, 80%
HSV	146°, 21%, 89%
XYZ	57.1091, 69.4071, 65.6408
YIQ	210.5700, -19.9410, -18.5730

Conversions

Conversions Part 2

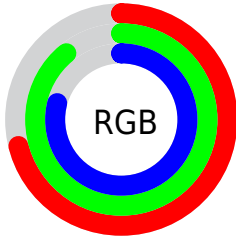
Format	Color
RYB	180, 213, 228
Decimal	11855049
CIELab	86.71, -20.78, 8.12
CIElCh	87, 22.311, 158.646
Yxy	69.4071, 0.2972, 0.3612
Android (android.graphics.Color)	4290045129 (0xFFB4E4C9)
YUV	210.5700, -4.7180, -26.8099
Hunter-Lab	83.3109, -23.4336, 11.6030

Details

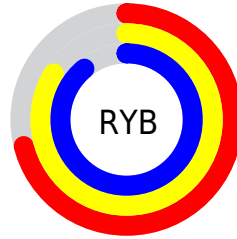
The Yxy color **69.4071, 0.2972, 0.3612** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.6468, 0.3320, 0.2989**, and the grayscale version is **64.8868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **36.0473, 0.2929, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **66.3158, 0.2904, 0.3792**, and if you desaturate by 10%, it is **73.0047, 0.3045, 0.3450**.

Distribution



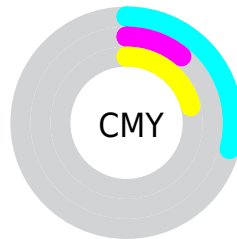
- Red (71%)
- Green (89%)
- Blue (79%)



- Red (71%)
- Yellow (84%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4071, 0.2972, 0.3612 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 69.4071, 0.2972, 0.3612 by changing the saturation by 10% instead.

 69.4071, 0.2972,
0.3612

 69.4071, 0.2972,
0.3612

458.4655, 0.3046,
0.3458

 51.0433, 0.2954,
0.3648

 118.3628, 0.2998,
0.3558

 36.2431, 0.2932,
0.3694

149.7236, 0.3008,
0.3537

 24.6220, 0.2904,
0.3753


186.1855, 0.3017,
0.3519

 15.7957, 0.2866,
0.3833

228.1329, 0.3024,
0.3503

 9.3797, 0.2812,
0.3945

275.9502, 0.3031,
0.3490

 4.9896, 0.2730,
0.4115

330.0218, 0.3037,

 2.2412, 0.2593,

0.3478

0.4402

390.7321, 0.3042,
0.3467

0.7423, 0.1679,
0.6286

0.0000, 0.0000,
0.0000

69.4071, 0.2972,
0.3612

69.4071, 0.2972,
0.3612

66.3158, 0.2904,
0.3792

73.0047, 0.3045,
0.3450

63.6990, 0.2843,
0.3988

77.1217, 0.3119,
0.3304

61.5344, 0.2793,
0.4197

81.7812, 0.3194,
0.3176

59.7945, 0.2756,
0.4416

83.7973, 0.3156,
0.3054

■ 58.4488, 0.2737,
0.4638

■ 83.9688, 0.3139,
0.3029

■ 57.4623, 0.2738,
0.4857

■ 56.7934, 0.2757,
0.5065

■ 56.4029, 0.2788,
0.5236

Harmonies

Analogous

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



69.4071, 0.3244, 0.3757



69.4071, 0.2972, 0.3612



69.4071, 0.2748, 0.3370

Triad

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



69.4071, 0.2972, 0.3612



69.4071, 0.2761, 0.2840



69.4071, 0.3656, 0.3426

Complementary

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



69.4071, 0.2972, 0.3612



53.6468, 0.3320, 0.2989

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.



69.4071, 0.3516, 0.3197



69.4071, 0.2972, 0.3612



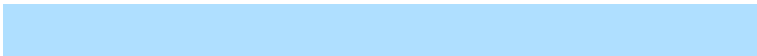
69.4071, 0.2992, 0.2869

Square

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



69.4071, 0.2972, 0.3612



69.4071, 0.2630, 0.2926



69.4071, 0.3269, 0.2997



69.4071, 0.3647, 0.3633

Rectangle

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



69.4071, 0.2972, 0.3612



69.4071, 0.2653, 0.3197



69.4071, 0.3269, 0.2997



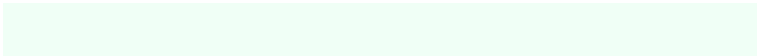
69.4071, 0.3625, 0.3350

Sweetspot

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



69.4100, 0.2972, 0.3612



96.6706, 0.3082, 0.3375



72.0796, 0.3291, 0.3840



20.6172, 0.3077, 0.3384



0.0000, 0.0000, 0.0000



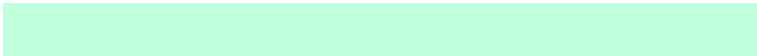
21.4041, 0.3127, 0.3290

Same Dimension

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



69.4100, 0.2972, 0.3612



87.7498, 0.2943, 0.3684



70.6188, 0.2832, 0.3326



16.1933, 0.3056, 0.3425



32.5909, 0.2780, 0.5208



2.4267, 0.2700, 0.4922

Inverse Universe

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



53.6468, 0.3320, 0.2989



64.1837, 0.3366, 0.2927



52.5685, 0.3522, 0.3255



14.5032, 0.3205, 0.3159



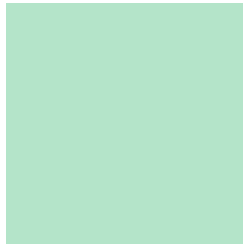
10.4531, 0.4690, 0.2357



0.7910, 0.4414, 0.2205

Previews

White Background



This preview shows how the Yxy color 69.4071, 0.2972, 0.3612 looks on a white background.

Color Contrast Check

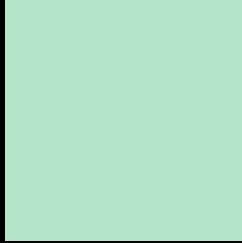
Large Text (above 18pt) WCAG AA × Fail

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 69.4071, 0.2972, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

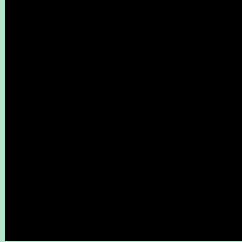
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

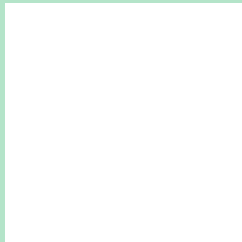
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.4071, 0.2972, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 69.4071, 0.2972, 0.3612.

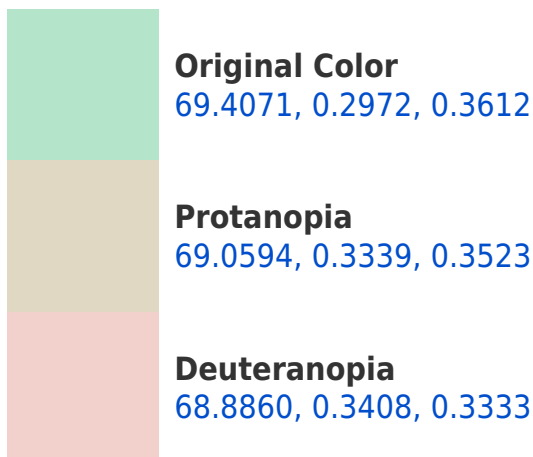


This preview shows how white text looks on a background with the Yxy color 69.4071, 0.2972, 0.3612.

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

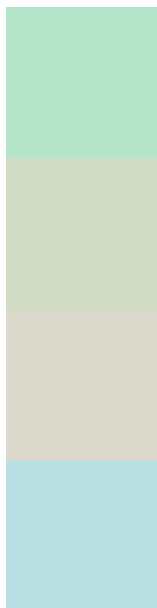




Tritanopia

69.0986, 0.2784, 0.3086

Trichromacy



Original Color

69.4071, 0.2972, 0.3612

Protanomaly

68.7729, 0.3201, 0.3553

Deuteranomaly

68.5314, 0.3231, 0.3424

Tritanomaly

68.9926, 0.2847, 0.3266

Monochromacy



Original Color

69.4071, 0.2972, 0.3612

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.4101, 0.3072, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4071, 0.2972, 0.3612 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(180, 228, 201)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 201)  
}
```

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(180, 228, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 201) }
```

Border

The CSS property to change the border of an element to Yxy 69.4071, 0.2972, 0.3612 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(180, 228, 201) }
```

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

```
.border{ border-color:rgb(180, 228, 201) }
```

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

Here you see how a box with a 4 pixel rgb(180, 228, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 201);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4071, 0.2972, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 201) }
```

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

```
.background{ background-color: rgb(180,  
228, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor