

Converting Colors

$Yxy(70.8488, 0.3233, 0.4120)$

Have a look what the booklet for
Yxy(70.8488, 0.3233, 0.4120)
contains.

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Color

Yxy(70.6719, 0.3234, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	B9E8A3
RGB	185, 232, 163
RGB Percent	73%, 91%, 64%
CMY	0.2746, 0.0902, 0.3606
CMYK	0.20, 0.00, 0.30, 0.09
HSL	101°, 60%, 77%
HSV	101°, 30%, 91%
XYZ	55.4740, 70.6719, 45.3878
YIQ	210.0810, -5.8630, -31.4230

Conversions

Conversions Part 2

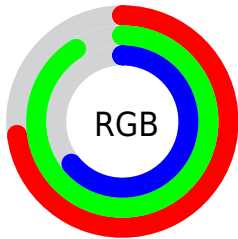
Format	Color
RYB	163, 232, 210
Decimal	12183715
CIELab	87.33, -27.52, 28.75
CIELCh	87, 39.793, 133.750
Yxy	70.6719, 0.3234, 0.4120
Android (android.graphics.Color)	4290373795 (0xFFB9E8A3)
YUV	210.0810, -23.2109, -21.9960
Hunter-Lab	84.0666, -29.3276, 26.8357

Details

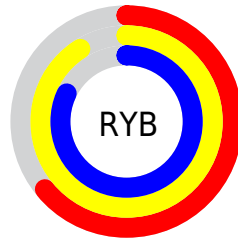
The Yxy color **70.6719, 0.3234, 0.4120** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **45.7498, 0.2976, 0.2509**, and the grayscale version is **64.6641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4592, 0.3261, 0.3661**, and **37.0237, 0.3246, 0.4330** is the 20% darker color. If you saturate the color by 10%, you get **68.0586, 0.3260, 0.4440**, and if you desaturate by 10%, it is **73.6629, 0.3201, 0.3817**.

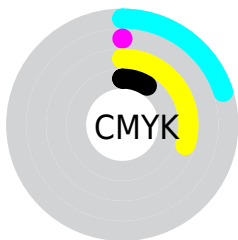
Distribution



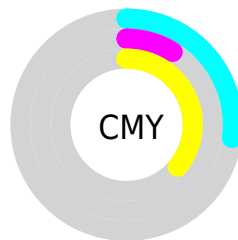
- Red (73%)
- Green (91%)
- Blue (64%)



- Red (64%)
- Yellow (91%)
- Blue (82%)



- Cyan (20%)
- Magenta (0%)
- Yellow (30%)
- Black (9%)





- Cyan (27%)
- Magenta (9%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6719, 0.3234, 0.4120 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 70.6719, 0.3234, 0.4120 by changing the saturation by 10% instead.

 70.6719, 0.3234,
0.4120


 70.6719, 0.3234,
0.4120

462.9057, 0.3195,
0.3717

 52.0745, 0.3240,
0.4216


 120.1664, 0.3223,
0.3977

 37.0645, 0.3246,
0.4337


 151.8323, 0.3218,
0.3922

 25.2574, 0.3250,
0.4494


188.6232, 0.3213,
0.3875

 16.2689, 0.3250,
0.4703


230.9234, 0.3209,
0.3835

 9.7147, 0.3239,
0.4995

279.1174, 0.3205,
0.3800

 5.2102, 0.3197,
0.5427

333.5895, 0.3201,

 2.3711, 0.3271,

0.3769

0.6513

394.7241, 0.3198,
0.3742

0.8110, 0.1088,
0.8912

0.0000, 0.0000,
0.0000

70.6719, 0.3234,
0.4120

70.6719, 0.3234,
0.4120

68.0586, 0.3260,
0.4440

73.6629, 0.3201,
0.3817

65.7982, 0.3277,
0.4765

77.0369, 0.3164,
0.3537

63.8773, 0.3281,
0.5080

80.8108, 0.3126,
0.3283

62.2776, 0.3269,
0.5365

84.9426, 0.3093,
0.3065

■ 60.9791, 0.3242,
0.5600

■ 86.1975, 0.3138,
0.3068

■ 59.9587, 0.3200,
0.5772

■ 59.1836, 0.3150,
0.5880

■ 59.1648, 0.3148,
0.5882

Harmonies

Analogous

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



70.6719, 0.3692, 0.4143



70.6719, 0.3234, 0.4120



70.6719, 0.2768, 0.3812

Triad

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



70.6719, 0.3234, 0.4120



70.6719, 0.2299, 0.2610



70.6719, 0.3880, 0.3180

Complementary

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



70.6719, 0.3234, 0.4120



45.7498, 0.2976, 0.2509

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.



70.6719, 0.3454, 0.2839



70.6719, 0.3234, 0.4120



70.6719, 0.2547, 0.2516

Square

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



70.6719, 0.3234, 0.4120



70.6719, 0.2253, 0.2896



70.6719, 0.2960, 0.2602



70.6719, 0.4088, 0.3565

Rectangle

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



70.6719, 0.3234, 0.4120



70.6719, 0.2515, 0.3502



70.6719, 0.2960, 0.2602



70.6719, 0.3756, 0.3058

Sweetspot

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



70.6749, 0.3234, 0.4120



95.7605, 0.3162, 0.3519



65.4139, 0.3643, 0.3801



20.3582, 0.3167, 0.3558



0.0000, 0.0000, 0.0000



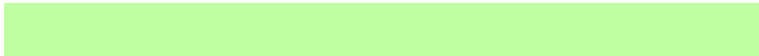
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6749, 0.3234, 0.4120



85.4297, 0.3252, 0.4325



68.5859, 0.3020, 0.4009



16.3104, 0.3163, 0.3530



32.9032, 0.3159, 0.5874



2.4798, 0.3270, 0.5786

Inverse Universe

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



45.7498, 0.2976, 0.2509



49.6226, 0.2934, 0.2330



48.5621, 0.3258, 0.2665



14.3734, 0.3087, 0.3055



7.3525, 0.2421, 0.1108



0.5925, 0.2539, 0.1172

Previews

White Background



This preview shows how the Yxy color 70.6719, 0.3234, 0.4120 looks on a white background.

Color Contrast Check

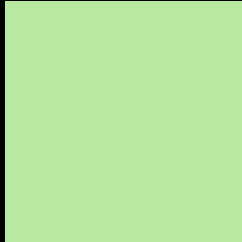
Large Text (above 18pt) WCAG AA × Fail

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 70.6719, 0.3234, 0.4120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

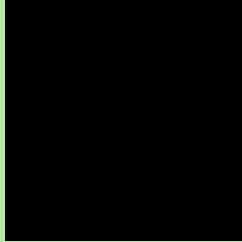
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

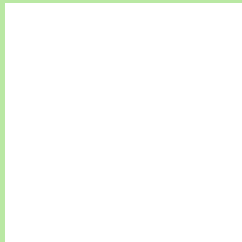
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6719, 0.3234, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 70.6719, 0.3234, 0.4120.

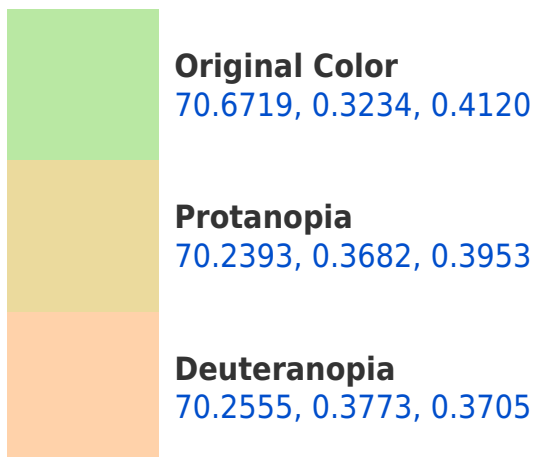


This preview shows how white text looks on a background with the Yxy color 70.6719, 0.3234, 0.4120.

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

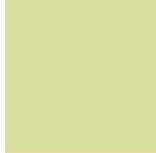
70.4041, 0.2847, 0.3089

Trichromacy



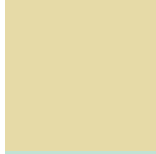
Original Color

70.6719, 0.3234, 0.4120



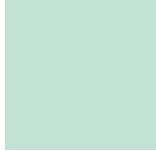
Protanomaly

70.0303, 0.3513, 0.4016



Deuteranomaly

69.7558, 0.3572, 0.3853



Tritanomaly

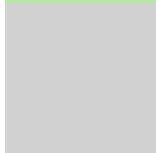
70.4836, 0.2990, 0.3451

Monochromacy



Original Color

70.6719, 0.3234, 0.4120



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.4106, 0.3171, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6719, 0.3234, 0.4120 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(185, 232, 163)` looks like.

```
.text, #text, p{  
    color:rgb(185, 232, 163)  
}
```

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(185, 232, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 232, 163) }
```

Border

The CSS property to change the border of an element to Yxy 70.6719, 0.3234, 0.4120 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(185, 232, 163) }
```

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

```
.border{ border-color:rgb(185, 232, 163) }
```

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

Here you see how a box with a 4 pixel rgb(185, 232, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 232, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 232, 163);  
box-shadow:4px 4px 4px 4px rgb(185, 232,  
163) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.6719, 0.3234, 0.4120$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 232, 163) }
```

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

```
.background{ background-color: rgb(185,  
232, 163) }
```

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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