

# Converting Colors

Yxy(66.1693, 0.3126, 0.3973)

Have a look what the booklet for  
Yxy(66.1693, 0.3126, 0.3973)  
contains.

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# Color

**Yxy(66.4469, 0.3122, 0.3972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFE2AB
RGB	175, 226, 171
RGB Percent	69%, 89%, 67%
CMY	0.3137, 0.1137, 0.3293
CMYK	0.23, 0.00, 0.24, 0.11
HSL	116°, 49%, 78%
HSV	116°, 24%, 89%
XYZ	52.2274, 66.4469, 48.6140
YIQ	204.4810, -12.7410, -27.9170

# Conversions

## Conversions Part 2

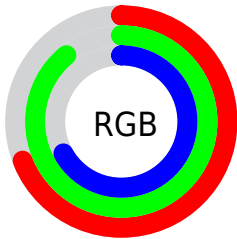
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 226, 222
Decimal	11526827
CIELab	85.22, -26.78, 21.66
CIELCh	85, 34.441, 141.026
Yxy	66.4469, 0.3122, 0.3972
Android (android.graphics.Color)	4289716907 (0xFFAFE2AB)
YUV	204.4810, -16.5061, -25.8548
Hunter-Lab	81.5150, -28.2846, 21.7011

# Details

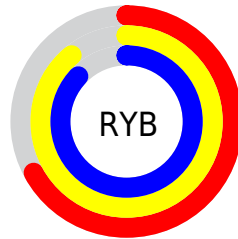
The Yxy color **66.4469, 0.3122, 0.3972** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.1629, 0.3122, 0.2680**, and the grayscale version is **60.8185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0550, 0.3139, 0.3575**, and **34.1463, 0.3104, 0.4142** is the 20% darker color. If you saturate the color by 10%, you get **63.4192, 0.3116, 0.4304**, and if you desaturate by 10%, it is **70.0043, 0.3126, 0.3668**.

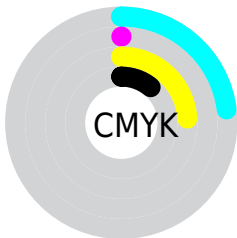
# Distribution



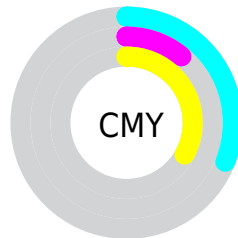
- Red (69%)
- Green (89%)
- Blue (67%)



- Red (67%)
- Yellow (89%)
- Blue (87%)



- Cyan (23%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)




- Cyan (31%)
- Magenta (11%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4469, 0.3122, 0.3972 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 66.4469, 0.3122, 0.3972 by changing the saturation by 10% instead.





 66.4469, 0.3122,  
0.3972

 66.4469, 0.3122,  
0.3972


447.9735, 0.3132,  
0.3638

 48.6353, 0.3118,  
0.4053


 114.1275, 0.3127,  
0.3852

 34.3302, 0.3111,  
0.4156


144.7653, 0.3128,  
0.3807

 23.1474, 0.3101,  
0.4290


180.4473, 0.3129,  
0.3768

 14.7024, 0.3084,  
0.4472

221.5578, 0.3130,  
0.3735

 8.6108, 0.3052,  
0.4733

268.4813, 0.3131,  
0.3706

 4.4882, 0.2989,  
0.5133

321.6021, 0.3131,

 1.9502, 0.2956,

0.3680

381.3047, 0.3131,  
0.3658

0.6050

0.5783, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.4469, 0.3122,  
0.3972

66.4469, 0.3122,  
0.3972

63.4192, 0.3116,  
0.4304

70.0043, 0.3126,  
0.3668

60.8880, 0.3106,  
0.4655

74.1062, 0.3127,  
0.3397

58.8293, 0.3093,  
0.5006

78.7772, 0.3127,  
0.3159

57.2136, 0.3077,  
0.5336

82.8749, 0.3140,  
0.3009

■ 56.0083, 0.3059,  
0.5617

■ 55.1762, 0.3039,  
0.5825

■ 54.6734, 0.3020,  
0.5950

■ 54.5078, 0.3013,  
0.5990

# Harmonies

## Analogous

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



66.4469, 0.3540, 0.4060



66.4469, 0.3122, 0.3972



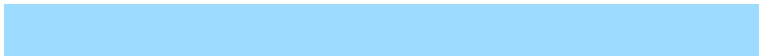
66.4469, 0.2723, 0.3654

# Triad

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



66.4469, 0.3122, 0.3972



66.4469, 0.2427, 0.2650



66.4469, 0.3857, 0.3279

# Complementary

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



66.4469, 0.3122, 0.3972



50.1629, 0.3122, 0.2680

# 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.



66.4469, 0.3519, 0.2956



66.4469, 0.3122, 0.3972



66.4469, 0.2690, 0.2603

# Square

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



66.4469, 0.3122, 0.3972



66.4469, 0.2340, 0.2868



66.4469, 0.3085, 0.2715



66.4469, 0.3983, 0.3623



# Rectangle

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



66.4469, 0.3122, 0.3972



66.4469, 0.2518, 0.3375



66.4469, 0.3085, 0.2715



66.4469, 0.3764, 0.3165

# Sweetspot

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



66.4497, 0.3122, 0.3972



95.8963, 0.3127, 0.3467



71.0471, 0.3505, 0.3849



20.4537, 0.3127, 0.3484



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

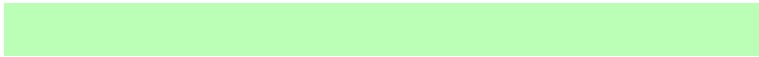


# Same Dimension

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



66.4497, 0.3122, 0.3972



85.3460, 0.3119, 0.4131



66.9480, 0.2956, 0.3683



15.3842, 0.3127, 0.3532



31.1144, 0.3017, 0.5987



2.1735, 0.3064, 0.5949



# Inverse Universe

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



50.1629, 0.3122, 0.2680



60.5497, 0.3120, 0.2557



49.6223, 0.3347, 0.2928



13.8827, 0.3126, 0.3058



10.9456, 0.3029, 0.1442



0.7740, 0.3059, 0.1459



# Previews

## White Background



This preview shows how the Yxy color 66.4469, 0.3122, 0.3972 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 66.4469, 0.3122, 0.3972 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 66.4469, 0.3122, 0.3972**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4469, 0.3122, 0.3972.

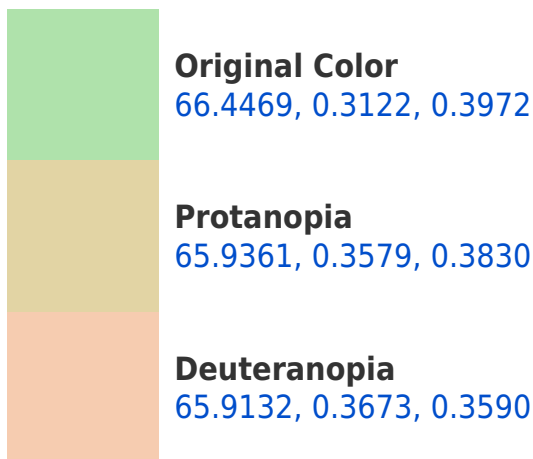


This preview shows how white text looks on a background with the Yxy color 66.4469, 0.3122, 0.3972.

# 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

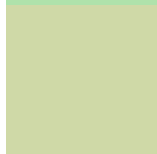
66.5801, 0.2803, 0.3094

# Trichromacy



## Original Color

66.4469, 0.3122, 0.3972



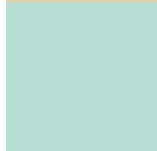
## Protanomaly

65.6811, 0.3395, 0.3877



## Deuteranomaly

65.3586, 0.3458, 0.3724



## Tritanomaly

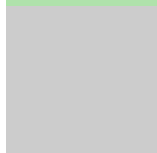
66.4115, 0.2917, 0.3396

# Monochromacy



## Original Color

66.4469, 0.3122, 0.3972



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

62.2302, 0.3123, 0.3531

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4469, 0.3122, 0.3972 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(175, 226, 171)` looks like.

```
.text, #text, p{  
    color:rgb(175, 226, 171)  
}
```

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(175, 226, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 226, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4469, 0.3122, 0.3972 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(175, 226, 171) }
```

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

```
.border{ border-color:rgb(175, 226, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 226, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 226, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 226, 171);  
box-shadow:4px 4px 4px 4px rgb(175, 226,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4469, 0.3122, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 226, 171) }
```

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

```
.background{ background-color: rgb(175,  
226, 171) }
```

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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