

# Converting Colors

$Yxy(66.3379, 0.3116, 0.3673)$

Have a look what the booklet for  
Yxy(66.3379, 0.3116, 0.3673)  
contains.

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# Color

**Yxy(66.3342, 0.3116, 0.3673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEDDBD
RGB	190, 221, 189
RGB Percent	75%, 87%, 74%
CMY	0.2550, 0.1333, 0.2588
CMYK	0.14, 0.00, 0.14, 0.13
HSL	118°, 32%, 80%
HSV	118°, 14%, 87%
XYZ	56.2748, 66.3342, 57.9905
YIQ	208.0830, -8.2040, -16.5240

# Conversions

## Conversions Part 2

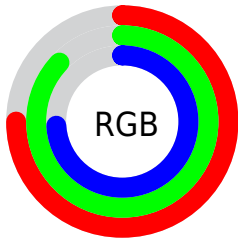
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 221, 220
Decimal	12508605
CIELab	85.17, -16.21, 12.31
CIELCh	85, 20.355, 142.794
Yxy	66.3342, 0.3116, 0.3673
Android (android.graphics.Color)	4290698685 (0xFFBEDDBD)
YUV	208.0830, -9.4079, -15.8588
Hunter-Lab	81.4458, -19.1960, 14.7968

# Details

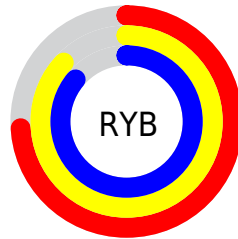
The Yxy color **66.3342, 0.3116, 0.3673** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.8457, 0.3136, 0.2933**, and the grayscale version is **63.1995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8867, 0.3135, 0.3387**, and **34.2843, 0.3105, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **62.8894, 0.3106, 0.3979**, and if you desaturate by 10%, it is **70.3368, 0.3124, 0.3401**.

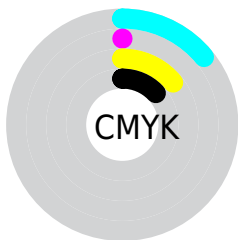
# Distribution



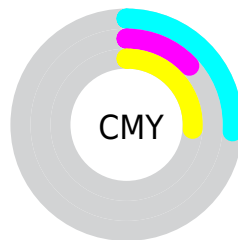
- Red (75%)
- Green (87%)
- Blue (74%)



- Red (74%)
- Yellow (87%)
- Blue (86%)



- Cyan (14%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)




- Cyan (26%)
- Magenta (13%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3342, 0.3116, 0.3673 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 66.3342, 0.3116, 0.3673 by changing the saturation by 10% instead.




 66.3342, 0.3116,  
0.3673

 66.3342, 0.3116,  
0.3673


447.5711, 0.3124,  
0.3488

 48.5437, 0.3114,  
0.3717


 113.9659, 0.3119,  
0.3607

 34.2577, 0.3110,  
0.3773


144.5759, 0.3120,  
0.3582

 23.0916, 0.3106,  
0.3845


180.2278, 0.3121,  
0.3561

 14.6612, 0.3098,  
0.3943

221.3062, 0.3122,  
0.3542

 8.5819, 0.3086,  
0.4082

268.1953, 0.3122,  
0.3526

 4.4695, 0.3063,  
0.4296


321.2796, 0.3123,

 1.9395, 0.3012,


0.3512

0.4662


380.9434, 0.3123,  
0.3499


 0.5720, 0.2054,  
0.7946


 0.0000, 0.0000,  
0.0000


 66.3342, 0.3116,  
0.3673


 66.3342, 0.3116,  
0.3673


 62.8894, 0.3106,  
0.3979

 70.3368, 0.3124,  
0.3401


 59.9696, 0.3094,  
0.4314

 74.9114, 0.3131,  
0.3163

 57.5516, 0.3080,  
0.4668

 80.0617, 0.3138,  
0.2959

 55.6072, 0.3065,  
0.5024

 80.1973, 0.3143,  
0.2960

■ 54.1053, 0.3049,  
0.5355

■ 53.0111, 0.3033,  
0.5636

■ 52.2846, 0.3019,  
0.5841

■ 51.8779, 0.3008,  
0.5959

■ 51.7603, 0.3005,  
0.5996

# Harmonies

## Analogous

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



66.3342, 0.3365, 0.3740



66.3342, 0.3116, 0.3673



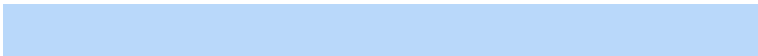
66.3342, 0.2876, 0.3489

# Triad

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



66.3342, 0.3116, 0.3673



66.3342, 0.2710, 0.2902



66.3342, 0.3564, 0.3304

# Complementary

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



66.3342, 0.3116, 0.3673



56.8457, 0.3136, 0.2933

# 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.



66.3342, 0.3375, 0.3100



66.3342, 0.3116, 0.3673



66.3342, 0.2880, 0.2872

# Square

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



66.3342, 0.3116, 0.3673



66.3342, 0.2648, 0.3036



66.3342, 0.3122, 0.2944



66.3342, 0.3631, 0.3514



# Rectangle

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



66.3342, 0.3116, 0.3673



66.3342, 0.2753, 0.3331



66.3342, 0.3122, 0.2944



66.3342, 0.3512, 0.3233

# Sweetspot

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



66.3370, 0.3116, 0.3673



97.5322, 0.3124, 0.3389



70.2042, 0.3345, 0.3636



20.7797, 0.3124, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

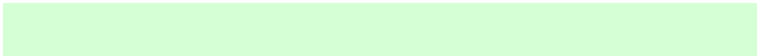


# Same Dimension

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



66.3370, 0.3116, 0.3673



90.3957, 0.3114, 0.3751



66.8953, 0.3014, 0.3491



14.6249, 0.3120, 0.3531



30.0746, 0.3007, 0.5994



1.9551, 0.3028, 0.5978



# Inverse Universe

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



56.8457, 0.3136, 0.2933



75.1449, 0.3138, 0.2866



56.2360, 0.3259, 0.3097



13.2538, 0.3133, 0.3059



11.3757, 0.3134, 0.1500



0.7434, 0.3147, 0.1507



# Previews

## White Background



This preview shows how the Yxy color 66.3342, 0.3116, 0.3673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

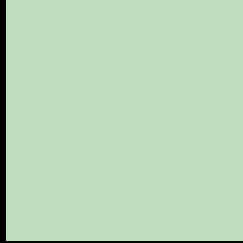
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3342, 0.3116, 0.3673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

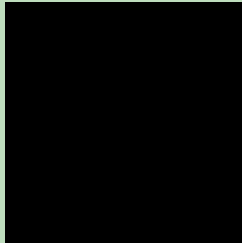
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

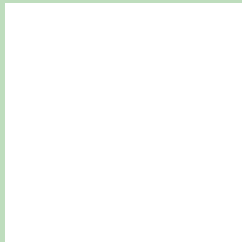
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.3342, 0.3116, 0.3673**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3342, 0.3116, 0.3673.



This preview shows how white text looks on a background with the Yxy color 66.3342, 0.3116, 0.3673.

# 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

66.3342, 0.3116, 0.3673

### Protanopia

66.2356, 0.3409, 0.3606

### Deuteranopia

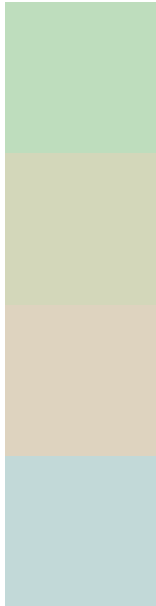
65.9937, 0.3498, 0.3431



## Tritanopia

66.2974, 0.2891, 0.3097

# Trichromacy



**Original Color**

66.3342, 0.3116, 0.3673

**Protanomaly**

65.9949, 0.3297, 0.3625

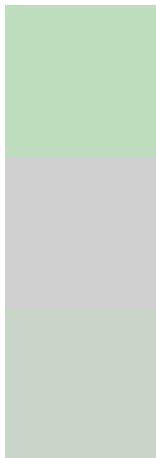
**Deuteranomaly**

65.8797, 0.3352, 0.3516

**Tritanomaly**

66.0529, 0.2971, 0.3301

# Monochromacy



**Original Color**

66.3342, 0.3116, 0.3673

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

64.2231, 0.3121, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3342, 0.3116, 0.3673 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(190, 221, 189)` looks like.

```
.text, #text, p{  
    color:rgb(190, 221, 189)  
}
```

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(190, 221, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 221, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3342, 0.3116, 0.3673 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(190, 221, 189) }
```

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

```
.border{ border-color:rgb(190, 221, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 221, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 221, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 221, 189); box-shadow:4px 4px 4px 4px rgb(190, 221, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3342, 0.3116, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 221, 189) }
```

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

```
.background{ background-color: rgb(190,  
221, 189) }
```

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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