

# Converting Colors

$Yxy(55.2210, 0.3374, 0.3863)$

Have a look what the booklet for  
Yxy(55.2210, 0.3374, 0.3863)  
contains.

|   |    |
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# Color

**Yxy(55.1207, 0.3370, 0.3860)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | BEC99C                     |
| RGB         | 190, 201, 156              |
| RGB Percent | 75%, 79%, 61%              |
| CMY         | 0.2549, 0.2118, 0.3882     |
| CMYK        | 0.05, 0.00, 0.22, 0.21     |
| HSL         | 75°, 29%, 70%              |
| HSV         | 75°, 22%, 79%              |
| XYZ         | 48.1235, 55.1207, 39.5555  |
| YIQ         | 192.5810, 7.8890, -16.3270 |

# Conversions

## Conversions Part 2

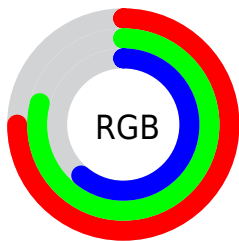
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 156, 201, 167                  |
| Decimal                             | 12503452                       |
| CIELab                              | 79.11, -11.45, 21.28           |
| CIElCh                              | 79, 24.161, 118.280            |
| Yxy                                 | 55.1207, 0.3370,<br>0.3860     |
| Android<br>(android.graphics.Color) | 4290693532<br>(0xFFBEC99C)     |
| YUV                                 | 192.5810, -18.0344,<br>-2.2635 |
| Hunter-Lab                          | 74.2433, -14.2245,<br>20.3817  |

# Details

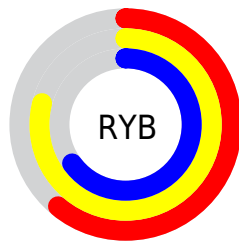
The Yxy color **55.1207, 0.3370, 0.3860** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.2103, 0.2846, 0.2686**, and the grayscale version is **53.1756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9973, 0.3335, 0.3728**, and **27.1216, 0.3421, 0.4010** is the 20% darker color. If you saturate the color by 10%, you get **53.8756, 0.3476, 0.4129**, and if you desaturate by 10%, it is **56.5047, 0.3261, 0.3598**.

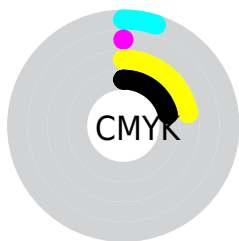
# Distribution



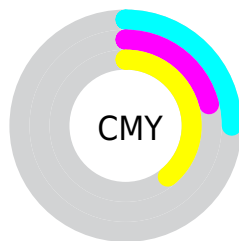
- Red (75%)
- Green (79%)
- Blue (61%)



- Red (61%)
- Yellow (79%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (22%)
- Black (21%)




- Cyan (25%)
- Magenta (21%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1207, 0.3370, 0.3860 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 55.1207, 0.3370, 0.3860 by changing the saturation by 10% instead.





 55.1207, 0.3370,  
0.3860


 55.1207, 0.3370,  
0.3860


406.3693, 0.3256,  
0.3577

 39.4984, 0.3396,  
0.3930

 97.7178, 0.3330,  
0.3758

 27.1476, 0.3428,  
0.4018


 125.4613, 0.3315,  
0.3719

 17.6841, 0.3468,  
0.4135


158.0140, 0.3302,  
0.3687

 10.7235, 0.3520,  
0.4295

195.7603, 0.3290,  
0.3659

 5.8812, 0.3586,  
0.4525

239.0846, 0.3280,  
0.3634

 2.7730, 0.3671,  
0.4890

288.3713, 0.3271,

 1.0144, 0.4011,

0.3613

0.5989

344.0047, 0.3263,  
0.3594

0.0000, 0.0000,  
0.0000

55.1207, 0.3370,  
0.3860

55.1207, 0.3370,  
0.3860

53.8756, 0.3476,  
0.4129

56.5047, 0.3261,  
0.3598

52.7563, 0.3573,  
0.4395

58.0256, 0.3153,  
0.3348

51.7590, 0.3658,  
0.4649

59.6910, 0.3047,  
0.3113

50.8770, 0.3725,  
0.4880


61.5055, 0.2947,  
0.2897


50.1026, 0.3769,  
0.5077


63.3765, 0.2862,  
0.2714


 49.4271, 0.3788,  
0.5230

 64.1294, 0.2896,  
0.2720

 48.8403, 0.3782,  
0.5337

 64.9049, 0.2931,  
0.2725

 48.4388, 0.3765,  
0.5393

 65.7030, 0.2966,  
0.2731

 66.5240, 0.3001,  
0.2737

# Harmonies

## Analogous

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



55.1207, 0.3632, 0.3801



55.1207, 0.3370, 0.3860



55.1207, 0.3051, 0.3746

# Triad

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



55.1207, 0.3370, 0.3860



55.1207, 0.2531, 0.2927



55.1207, 0.3492, 0.3094

# Complementary

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



55.1207, 0.3370, 0.3860



36.2103, 0.2846, 0.2686

# 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.



55.1207, 0.3179, 0.2888



55.1207, 0.3370, 0.3860



55.1207, 0.2634, 0.2786

# Square

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



55.1207, 0.3370, 0.3860



55.1207, 0.2577, 0.3182



55.1207, 0.2866, 0.2776



55.1207, 0.3709, 0.3353



# Rectangle

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



55.1207, 0.3370, 0.3860



55.1207, 0.2851, 0.3585



55.1207, 0.2866, 0.2776



55.1207, 0.3394, 0.3017

# Sweetspot

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



55.1231, 0.3370, 0.3860



98.0852, 0.3204, 0.3464



42.2738, 0.3551, 0.3426



20.9602, 0.3210, 0.3479



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

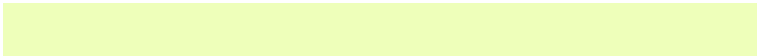


# Same Dimension

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



55.1231, 0.3370, 0.3860



93.2788, 0.3423, 0.3994



52.5003, 0.3191, 0.3893



12.2814, 0.3228, 0.3521



30.4997, 0.3771, 0.5388



1.4763, 0.3863, 0.5315



# Inverse Universe

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



36.2103, 0.2846, 0.2686



55.0942, 0.2772, 0.2534



38.8140, 0.3043, 0.2720



10.4106, 0.3020, 0.3054



3.1003, 0.1647, 0.0681



0.1818, 0.1870, 0.0804



# Previews

## White Background



This preview shows how the Yxy color 55.1207, 0.3370, 0.3860 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

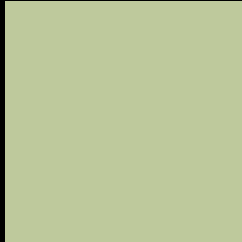
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.1207, 0.3370, 0.3860 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

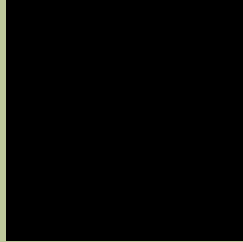
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.1207, 0.3370, 0.3860**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1207, 0.3370, 0.3860.



This preview shows how white text looks on a background with the Yxy color 55.1207, 0.3370, 0.3860.

# 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

55.1207, 0.3370, 0.3860

### Protanopia

54.7400, 0.3560, 0.3801

### Deuteranopia

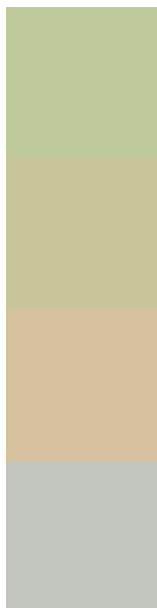
54.8005, 0.3700, 0.3626



## Tritanopia

55.0573, 0.3041, 0.3111

# Trichromacy



## Original Color

55.1207, 0.3370, 0.3860

## Protanomaly

54.6831, 0.3487, 0.3822

## Deuteranomaly

54.9047, 0.3579, 0.3709

## Tritanomaly

55.1195, 0.3155, 0.3376

# Monochromacy



## Original Color

55.1207, 0.3370, 0.3860

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.9816, 0.3214, 0.3490

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1207, 0.3370, 0.3860 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, 201, 156)` looks like.

```
.text, #text, p{  
    color:rgb(190, 201, 156)  
}
```

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, 201, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 201, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1207, 0.3370, 0.3860 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, 201, 156) }
```

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

```
.border{ border-color:rgb(190, 201, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 201, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 201, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 201, 156);  
box-shadow:4px 4px 4px 4px rgb(190, 201,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1207, 0.3370, 0.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 201, 156) }
```

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

```
.background{ background-color: rgb(190,  
201, 156) }
```

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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