

# Converting Colors

$Y_{xy}(25.0388, 0.3627, 0.3617)$

Have a look what the booklet for  
Yxy(25.0388, 0.3627, 0.3617)  
contains.

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# Color

**Yxy(25.0352, 0.3622, 0.3615)**

# Conversions

| Conversions Part 1 |                            |
|--------------------|----------------------------|
| Format             | Color                      |
| Hex                | 9C8571                     |
| RGB                | 156, 133, 113              |
| RGB Percent        | 61%, 52%, 44%              |
| CMY                | 0.3881, 0.4785, 0.5568     |
| CMYK               | 0.00, 0.15, 0.28, 0.39     |
| HSL                | 28°, 18%, 53%              |
| HSV                | 28°, 28%, 61%              |
| XYZ                | 25.0837, 25.0352, 19.1348  |
| YIQ                | 137.5970, 20.1280, -1.3440 |

# Conversions

## Conversions Part 2

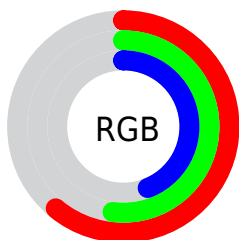
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">156, 150, 113</a>               |
| Decimal                             | <a href="#">10257777</a>                    |
| CIELab                              | <a href="#">57.11, 5.59, 14.03</a>          |
| CIELCh                              | <a href="#">57, 15.098, 68.276</a>          |
| Yxy                                 | <a href="#">25.0352, 0.3622, 0.3615</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4288447857</a><br>(0xFF9C8571)  |
| YUV                                 | <a href="#">137.5970, -12.1263, 16.1394</a> |
| Hunter-Lab                          | <a href="#">50.0352, 1.9242, 12.3506</a>    |

# Details

The Yxy color  $25.0352, 0.3622, 0.3615$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $23.5354, 0.2702, 0.2941$ , and the grayscale version is  $25.2973, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $51.6833, 0.3513, 0.3545$ , and  $9.6654, 0.3804, 0.3739$  is the 20% darker color. If you saturate the color by 10%, you get  $22.5168, 0.3849, 0.3738$ , and if you desaturate by 10%, it is  $27.7984, 0.3421, 0.3493$ .

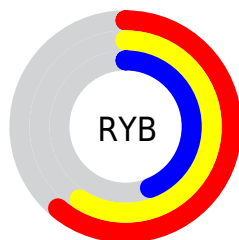
# Distribution



Red (61%)

Green (52%)

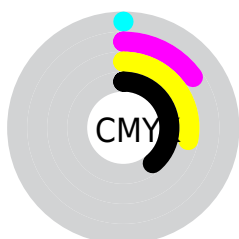
Blue (44%)



Red (61%)

Yellow (59%)

Blue (44%)

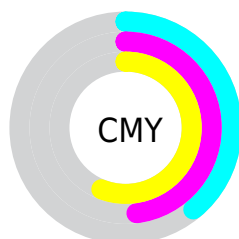


Cyan (0%)

Magenta (15%)

Yellow (28%)

Black (39%)



Cyan (39%)

Magenta (48%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0352, 0.3622, 0.3615 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 25.0352, 0.3622, 0.3615 by changing the saturation by 10% instead.





 25.0352, 0.3622,  
0.3615


 25.0352, 0.3622,  
0.3615


278.0132, 0.3348,  
0.3440


 16.1033, 0.3701,  
0.3663


 51.7143, 0.3515,  
0.3548


 9.5973, 0.3808,  
0.3727


 70.2303, 0.3477,  
0.3524

 5.1328, 0.3965,  
0.3816


 92.7098, 0.3446,  
0.3504

 2.3254, 0.4209,  
0.3947

 119.5371, 0.3420,  
0.3487

 0.7871, 0.5293,  
0.4707

151.0968, 0.3398,  
0.3473


 0.0000, 0.0000,  
0.0000


187.7730, 0.3379,

0.3460


229.9504, 0.3362,  
0.3449


 25.0352, 0.3622,  
0.3615


 25.0352, 0.3622,  
0.3615

 22.5168, 0.3849,  
0.3738


 27.7984, 0.3421,  
0.3493

 20.2324, 0.4100,  
0.3857


 30.8099, 0.3245,  
0.3375


 18.1755, 0.4373,  
0.3962


 34.0775, 0.3092,  
0.3264


 16.3378, 0.4658,  
0.4043


 37.6075, 0.2959,  
0.3160

 14.7104, 0.4941,  
0.4088


 41.4061, 0.2843,  
0.3065


 13.2835, 0.5205,  
0.4086

 45.4790, 0.2743,  
0.2978

 12.0435, 0.5435,  
0.4036

 49.8322, 0.2655,  
0.2897

 11.7669, 0.5491,  
0.4022

 54.4709, 0.2579,  
0.2824

 59.4007, 0.2512,  
0.2757

# Harmonies

## Analogous

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



25.0352, 0.3629, 0.3418



25.0352, 0.3622, 0.3615



25.0352, 0.3478, 0.3736

# Triad

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



25.0352, 0.3622, 0.3615



25.0352, 0.2768, 0.3370



25.0352, 0.2996, 0.2887

# Complementary

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



25.0352, 0.3622, 0.3615



23.5354, 0.2702, 0.2941

# 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.



25.0352, 0.2777, 0.2862



25.0352, 0.3622, 0.3615



25.0352, 0.2650, 0.3128

# Square

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



25.0352, 0.3622, 0.3615



25.0352, 0.2983, 0.3598



25.0352, 0.2653, 0.2945



25.0352, 0.3259, 0.3009



# Rectangle

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



25.0352, 0.3622, 0.3615



25.0352, 0.3327, 0.3750



25.0352, 0.2653, 0.2945



25.0352, 0.2915, 0.2867

# Sweetspot

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



25.0363, 0.3622, 0.3615



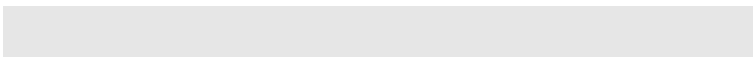
55.6011, 0.3255, 0.3382



20.6800, 0.3394, 0.2910



12.0581, 0.3279, 0.3398



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



25.0363, 0.3622, 0.3615



42.6197, 0.3757, 0.3690



31.3365, 0.3540, 0.3929



7.1285, 0.3273, 0.3394



9.7560, 0.5479, 0.4031



0.2584, 0.4874, 0.4512



# Inverse Universe

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



23.5354, 0.2702, 0.2941



39.4362, 0.2607, 0.2851



18.2103, 0.2665, 0.2559



6.9940, 0.2988, 0.3184



7.2121, 0.1814, 0.1731



0.2132, 0.2002, 0.2408



# Previews

## White Background



This preview shows how the Yxy color 25.0352, 0.3622, 0.3615 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

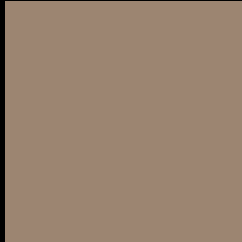
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.0352, 0.3622, 0.3615 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 × Fail

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

**Yxy 25.0352, 0.3622, 0.3615**

## Background



This preview shows how black text looks on a background with the Yxy color 25.0352, 0.3622, 0.3615.



This preview shows how white text looks on a background with the Yxy color 25.0352, 0.3622, 0.3615.

# 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

25.0352, 0.3622, 0.3615

### Protanopia

25.1489, 0.3453, 0.3661

### Deuteranopia

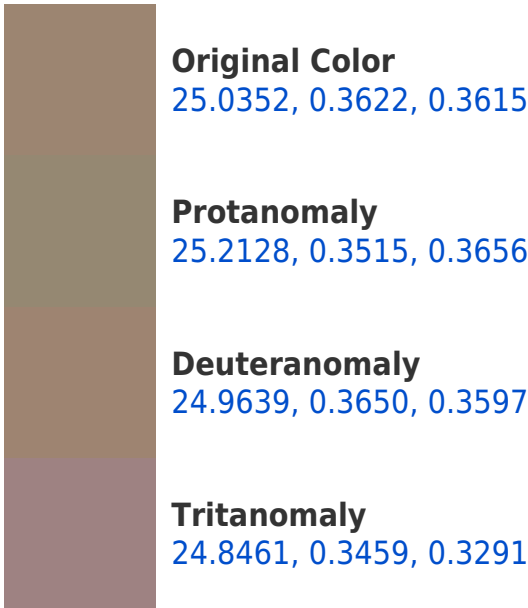
25.0657, 0.3662, 0.3596



## Tritanopia

24.9355, 0.3369, 0.3134

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.0352, 0.3622, 0.3615 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(156, 133, 113) looks like.

```
.text, #text, p{  
    color:rgb(156, 133, 113)  
}
```

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(156, 133, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 133, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 25.0352, 0.3622, 0.3615 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(156, 133, 113) }
```

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

```
.border{ border-color:rgb(156, 133, 113) }
```

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

Here you see how a box with a 4 pixel rgb(156, 133, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 133, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 133, 113);  
box-shadow:4px 4px 4px 4px rgb(156, 133,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.0352, 0.3622, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 133, 113) }
```

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

```
.background{ background-color: rgb(156,  
133, 113) }
```

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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