

# Converting Colors

$Y_{xy}(23.6964, 0.4017, 0.3365)$

Have a look what the booklet for  
Yxy(23.6964, 0.4017, 0.3365)  
contains.

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**Color**

**Yxy(23.7162, 0.4022, 0.3365)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B57570</a>
RGB	<a href="#">181, 117, 112</a>
RGB Percent	<a href="#">71%, 46%, 44%</a>
CMY	<a href="#">0.2901, 0.5412, 0.5607</a>
CMYK	<a href="#">0.00, 0.35, 0.38, 0.29</a>
HSL	<a href="#">4°, 32%, 57%</a>
HSV	<a href="#">4°, 38%, 71%</a>
XYZ	<a href="#">28.3467, 23.7162, 18.4162</a>
YIQ	<a href="#">135.5660, 39.7490, 12.0130</a>

# Conversions

## Conversions Part 2

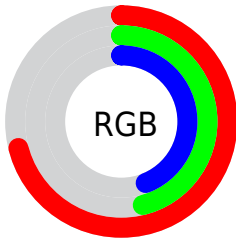
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 117, 112
Decimal	11892080
CIE <sub>Lab</sub>	55.80, 24.57, 13.19
CIE <sub>LCh</sub>	56, 27.884, 28.236
Yxy	23.7162, 0.4022, 0.3365
Android (android.graphics.Color)	4290082160 (0xFFB57570)
YUV	135.5660, -11.6180, 39.8456
Hunter-Lab	48.6993, 18.6768, 11.6683

# Details

The Yxy color **23.7162, 0.4022, 0.3365** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **37.8510, 0.2593, 0.3212**, and the grayscale version is **24.4839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7805, 0.3824, 0.3359**, and **8.9400, 0.4376, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **19.7850, 0.4387, 0.3384**, and if you desaturate by 10%, it is **28.4330, 0.3717, 0.3345**.

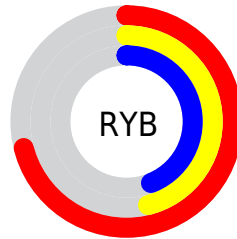
# Distribution



Red (71%)

Green (46%)

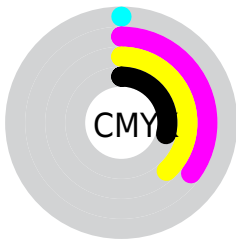
Blue (44%)



Red (71%)

Yellow (46%)

Blue (44%)

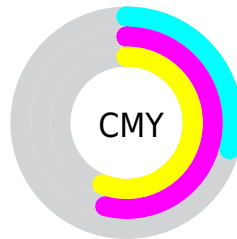


Cyan (0%)

Magenta (35%)

Yellow (38%)

Black (29%)



Cyan (29%)

Magenta (54%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7162, 0.4022, 0.3365 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 23.7162, 0.4022, 0.3365 by changing the saturation by 10% instead.





 23.7162, 0.4022,  
0.3365


 23.7162, 0.4022,  
0.3365


271.3825, 0.3520,  
0.3338


 15.1232, 0.4169,  
0.3366


 49.5667, 0.3825,  
0.3359


 8.9059, 0.4371,  
0.3362


 67.5930, 0.3755,  
0.3355

 4.6799, 0.4667,  
0.3346


 89.5325, 0.3698,  
0.3352

 2.0607, 0.5135,  
0.3294

 115.7697, 0.3651,  
0.3348

 0.6424, 0.6635,  
0.3365

146.6889, 0.3610,  
0.3345

 0.0000, 1.0000,  
0.0000


182.6745, 0.3576,


 0.0000, 0.0000,


0.3343


0.0000


224.1109, 0.3546,  
0.3340


 23.7162, 0.4022,  
0.3365

 23.7162, 0.4022,  
0.3365

 19.7850, 0.4387,  
0.3384


 28.4330, 0.3717,  
0.3345


 16.5935, 0.4808,  
0.3397


 33.9712, 0.3466,  
0.3324

 14.0964, 0.5262,  
0.3402


 40.3686, 0.3263,  
0.3305


 12.2418, 0.5704,  
0.3395


 47.6595, 0.3099,  
0.3287


 10.9709, 0.6070,  
0.3373

 55.8765, 0.2965,  
0.3270

 10.2110, 0.6311,  
0.3344

 65.0505, 0.2856,  
0.3255

 10.1161, 0.6347,  
0.3343

 75.2109, 0.2767,  
0.3242

 86.2674, 0.2702,  
0.3250

 88.5667, 0.2706,  
0.3289

# Harmonies

## Analogous

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



23.7162, 0.3683, 0.2992



23.7162, 0.4022, 0.3365



23.7162, 0.4094, 0.3749

# Triad

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



23.7162, 0.4022, 0.3365



23.7162, 0.3001, 0.4010



23.7162, 0.2389, 0.2535

# Complementary

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



23.7162, 0.4022, 0.3365



37.8510, 0.2593, 0.3212

# 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.



23.7162, 0.2243, 0.2730



23.7162, 0.4022, 0.3365



23.7162, 0.2574, 0.3594

# Square

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



23.7162, 0.4022, 0.3365



23.7162, 0.3483, 0.4176



23.7162, 0.2305, 0.3109



23.7162, 0.2726, 0.2531



# Rectangle

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



23.7162, 0.4022, 0.3365



23.7162, 0.3984, 0.3969



23.7162, 0.2305, 0.3109



23.7162, 0.2318, 0.2578

# Sweetspot

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



23.7174, 0.4022, 0.3365



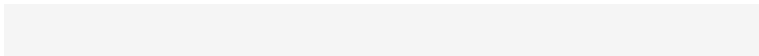
68.6051, 0.3321, 0.3311



24.5691, 0.3222, 0.2418



14.4936, 0.3347, 0.3313



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



23.7174, 0.4022, 0.3365



36.2987, 0.4334, 0.3381



33.1683, 0.3835, 0.3846



8.6005, 0.3285, 0.3307



7.0125, 0.6336, 0.3351



0.2530, 0.6083, 0.3552



# Inverse Universe

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



37.8510, 0.2593, 0.3212



65.2993, 0.2496, 0.3192



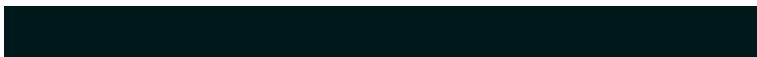
26.1041, 0.2513, 0.2657



9.5245, 0.2986, 0.3273



21.6343, 0.2185, 0.3066



0.7117, 0.2204, 0.3133



# Previews

## White Background



This preview shows how the Yxy color 23.7162, 0.4022, 0.3365 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 23.7162, 0.4022, 0.3365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

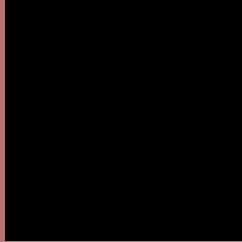
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 23.7162, 0.4022, 0.3365**

## Background



This preview shows how black text looks on a background with the Yxy color 23.7162, 0.4022, 0.3365.



This preview shows how white text looks on a background with the Yxy color 23.7162, 0.4022, 0.3365.

# 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

23.7162, 0.4022, 0.3365

### Protanopia

23.9817, 0.3347, 0.3531

### Deuteranopia

23.7949, 0.3661, 0.3603



## Tritanopia

23.6618, 0.3884, 0.3162

# Trichromacy



## Original Color

23.7162, 0.4022, 0.3365

## Protanomaly

23.6913, 0.3582, 0.3471

## Deuteranomaly

23.7074, 0.3780, 0.3513

## Tritanomaly

23.7919, 0.3933, 0.3235

# Monochromacy



## Original Color

23.7162, 0.4022, 0.3365

## Achromatopsia

24.6201, 0.3127, 0.3290

## Achromatomaly

23.9082, 0.3424, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.7162, 0.4022, 0.3365 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(181, 117, 112)` looks like.

```
.text, #text, p{  
    color:rgb(181, 117, 112)  
}
```

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(181, 117, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 117, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 23.7162, 0.4022, 0.3365 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(181, 117, 112) }
```

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

```
.border{ border-color:rgb(181, 117, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 117, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 117, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 117, 112);  
box-shadow:4px 4px 4px 4px rgb(181, 117,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.7162, 0.4022, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 117, 112) }
```

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

```
.background{ background-color: rgb(181,  
117, 112) }
```

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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