

# Converting Colors

$Y_{xy}(20.8576, 0.4063, 0.3418)$

Have a look what the booklet for  
Yxy(20.8576, 0.4063, 0.3418)  
contains.

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# Color

**Yxy(20.7691, 0.4073, 0.3415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB6E66
RGB	171, 110, 102
RGB Percent	67%, 43%, 40%
CMY	0.3294, 0.5686, 0.5999
CMYK	0.00, 0.36, 0.40, 0.33
HSL	7°, 29%, 54%
HSV	7°, 40%, 67%
XYZ	24.7709, 20.7691, 15.2773
YIQ	127.3270, 38.9240, 10.4440

# Conversions

## Conversions Part 2

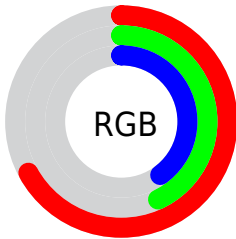
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 111, 102
Decimal	11234918
CIELab	52.70, 23.27, 14.51
CIELCh	53, 27.430, 31.949
Yxy	20.7691, 0.4073, 0.3415
Android (android.graphics.Color)	4289424998 (0xFFAB6E66)
YUV	127.3270, -12.4862, 38.3012
Hunter-Lab	45.5731, 17.2691, 12.0256

# Details

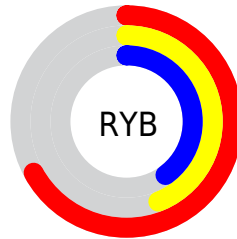
The Yxy color **20.7691, 0.4073, 0.3415** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.9699, 0.2562, 0.3158**, and the grayscale version is **21.3764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6345, 0.3856, 0.3397**, and **7.3263, 0.4465, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **17.4756, 0.4436, 0.3443**, and if you desaturate by 10%, it is **24.6915, 0.3766, 0.3383**.

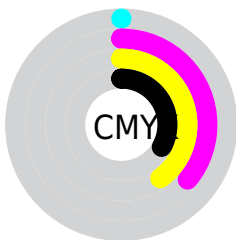
# Distribution



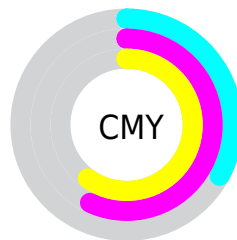
- Red (67%)
- Green (43%)
- Blue (40%)



- Red (67%)
- Yellow (44%)
- Blue (40%)



- Cyan (0%)
- Magenta (36%)
- Yellow (40%)
- Black (33%)




- Cyan (33%)
- Magenta (57%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7691, 0.4073, 0.3415 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 20.7691, 0.4073, 0.3415 by changing the saturation by 10% instead.





 20.7691, 0.4073,  
0.3415


 20.7691, 0.4073,  
0.3415


256.0488, 0.3532,  
0.3361

 12.9553, 0.4236,  
0.3422


 44.7029, 0.3857,  
0.3399


 7.3978, 0.4464,  
0.3426


 61.5918, 0.3782,  
0.3392

 3.7121, 0.4803,  
0.3415

 82.2745, 0.3721,  
0.3385

 1.5139, 0.5432,  
0.3407

 107.1353, 0.3670,  
0.3379

 0.2984, 0.7406,  
0.2594


136.5588, 0.3627,  
0.3374


 0.0000, 0.0000,  
0.0000

170.9293, 0.3591,


0.3369

210.6312, 0.3559,  
0.3365


 20.7691, 0.4073,  
0.3415


 20.7691, 0.4073,  
0.3415


 17.4756, 0.4436,  
0.3443


 24.6915, 0.3766,  
0.3383


 14.7754, 0.4849,  
0.3463


 29.2699, 0.3511,  
0.3351


 12.6339, 0.5288,  
0.3470


 34.5337, 0.3303,  
0.3320

 11.0118, 0.5712,  
0.3456

 40.5095, 0.3132,  
0.3291

 9.8643, 0.6061,  
0.3421

 47.2225, 0.2993,  
0.3264

 9.1518, 0.6298,  
0.3382

 54.6966, 0.2879,  
0.3240

 62.9547, 0.2784,  
0.3218

 72.0187, 0.2706,  
0.3199

 81.8501, 0.2644,  
0.3191

# Harmonies

## Analogous

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



20.7691, 0.3753, 0.3028



20.7691, 0.4073, 0.3415



20.7691, 0.4109, 0.3804

# Triad

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



20.7691, 0.4073, 0.3415



20.7691, 0.2936, 0.3990



20.7691, 0.2403, 0.2504

# Complementary

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



20.7691, 0.4073, 0.3415



31.9699, 0.2562, 0.3158

# 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.



20.7691, 0.2227, 0.2678



20.7691, 0.4073, 0.3415



20.7691, 0.2514, 0.3540

# Square

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



20.7691, 0.4073, 0.3415



20.7691, 0.3431, 0.4198



20.7691, 0.2264, 0.3045



20.7691, 0.2769, 0.2524



# Rectangle

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



20.7691, 0.4073, 0.3415



20.7691, 0.3973, 0.4022



20.7691, 0.2264, 0.3045



20.7691, 0.2322, 0.2540

# Sweetspot

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



20.7701, 0.4073, 0.3415



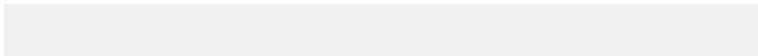
59.9857, 0.3339, 0.3326



20.8490, 0.3255, 0.2401



13.1049, 0.3363, 0.3329



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



20.7701, 0.4073, 0.3415



32.1081, 0.4378, 0.3439



29.3873, 0.3868, 0.3909



8.1591, 0.3284, 0.3317



6.9405, 0.6286, 0.3391



0.2392, 0.5895, 0.3701



# Inverse Universe

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



31.9699, 0.2562, 0.3158



54.7958, 0.2465, 0.3126



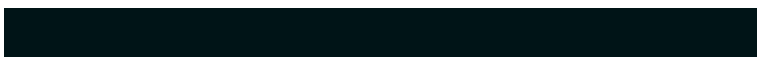
21.6287, 0.2472, 0.2575



8.9115, 0.2986, 0.3263



19.0029, 0.2147, 0.2927



0.5724, 0.2180, 0.3047



# Previews

## White Background



This preview shows how the Yxy color 20.7691, 0.4073, 0.3415 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 20.7691, 0.4073, 0.3415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

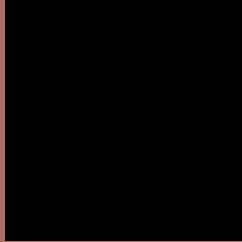
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 20.7691, 0.4073, 0.3415**

## Background



This preview shows how black text looks on a background with the Yxy color 20.7691, 0.4073, 0.3415.



This preview shows how white text looks on a background with the Yxy color 20.7691, 0.4073, 0.3415.

# 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

20.7691, 0.4073, 0.3415

### Protanopia

20.9530, 0.3383, 0.3582

### Deuteranopia

20.7979, 0.3719, 0.3654



## Tritanopia

20.7567, 0.3899, 0.3170

# Trichromacy



## Original Color

20.7691, 0.4073, 0.3415

## Protanomaly

20.6055, 0.3622, 0.3516

## Deuteranomaly

20.7301, 0.3847, 0.3557

## Tritanomaly

20.8556, 0.3965, 0.3262

# Monochromacy



## Original Color

20.7691, 0.4073, 0.3415

## Achromatopsia

21.2231, 0.3127, 0.3290

## Achromatomaly

20.8224, 0.3441, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 20.7691, 0.4073, 0.3415 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(171, 110, 102)` looks like.

```
.text, #text, p{  
    color:rgb(171, 110, 102)  
}
```

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(171, 110, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 110, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 20.7691, 0.4073, 0.3415 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(171, 110, 102) }
```

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

```
.border{ border-color:rgb(171, 110, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 110, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 110, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 110, 102);  
box-shadow:4px 4px 4px 4px rgb(171, 110,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 20.7691, 0.4073, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 110, 102) }
```

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

```
.background{ background-color: rgb(171,  
110, 102) }
```

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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