

Converting Colors

$Y_{xy}(22.6725, 0.3894, 0.3607)$

Have a look what the booklet for
Yxy(22.6725, 0.3894, 0.3607)
contains.

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Color

Yxy(22.6649, 0.3896, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	A37A66
RGB	163, 122, 102
RGB Percent	64%, 48%, 40%
CMY	0.3608, 0.5215, 0.6000
CMYK	0.00, 0.25, 0.37, 0.36
HSL	20°, 25%, 52%
HSV	20°, 37%, 64%
XYZ	24.4605, 22.6649, 15.6582
YIQ	131.9790, 30.8560, 2.4720

Conversions

Conversions Part 2

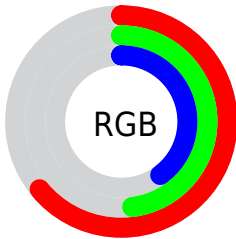
Format	Color
RYB	163, 132, 102
Decimal	10713702
CIELab	54.73, 13.19, 17.16
CIElCh	55, 21.640, 52.455
Yxy	22.6649, 0.3896, 0.3610
Android (android.graphics.Color)	4288903782 (0xFFA37A66)
YUV	131.9790, -14.7796, 27.2054
Hunter-Lab	47.6077, 8.3987, 13.8248

Details

The Yxy color **22.6649, 0.3896, 0.3610** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.1107, 0.2567, 0.2942**, and the grayscale version is **23.1129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0199, 0.3724, 0.3555**, and **8.3559, 0.4207, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **19.8335, 0.4184, 0.3695**, and if you desaturate by 10%, it is **25.8653, 0.3645, 0.3521**.

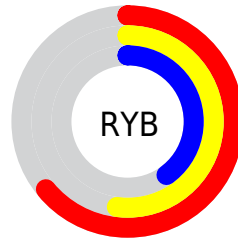
Distribution



Red (64%)

Green (48%)

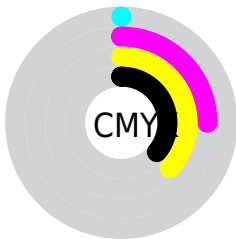
Blue (40%)



Red (64%)

Yellow (52%)

Blue (40%)

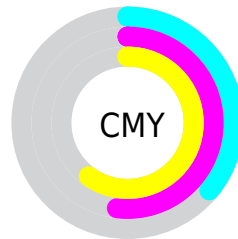


Cyan (0%)

Magenta (25%)

Yellow (37%)

Black (36%)



Cyan (36%)

Magenta (52%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6649, 0.3896, 0.3610 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 22.6649, 0.3896, 0.3610 by changing the saturation by 10% instead.


 22.6649, 0.3896,
0.3610


 22.6649, 0.3896,
0.3610


265.9992, 0.3463,
0.3443


 14.3463, 0.4023,
0.3652


 47.8425, 0.3725,
0.3548

 8.3619, 0.4199,
0.3706


 65.4703, 0.3665,
0.3525

 4.3274, 0.4456,
0.3772

 86.9699, 0.3616,
0.3506

 1.8583, 0.4910,
0.3886

 112.7257, 0.3575,
0.3490

 0.5231, 0.6103,
0.3897

143.1221, 0.3541,
0.3475

 0.0000, 0.0000,
0.0000

178.5436, 0.3511,

0.3463

219.3745, 0.3485,
0.3452

■ 22.6649, 0.3896,
0.3610

■ 22.6649, 0.3896,
0.3610

■ 19.8335, 0.4184,
0.3695

■ 25.8653, 0.3645,
0.3521

■ 17.3540, 0.4506,
0.3767

■ 29.4443, 0.3429,
0.3433

■ 15.2129, 0.4852,
0.3818


■ 33.4155, 0.3245,
0.3349


■ 13.3943, 0.5202,
0.3835


■ 37.7905, 0.3089,
0.3270

■ 11.8808, 0.5529,
0.3807

■ 42.5806, 0.2957,
0.3197


 10.6510, 0.5806,
0.3736

 47.7965, 0.2844,
0.3130

 10.3731, 0.5875,
0.3717

 53.4487, 0.2748,
0.3069

 59.5471, 0.2666,
0.3014

 66.1015, 0.2595,
0.2963

Harmonies

Analogous

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



22.6649, 0.3793, 0.3298



22.6649, 0.3896, 0.3610



22.6649, 0.3778, 0.3866

Triad

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



22.6649, 0.3896, 0.3610



22.6649, 0.2749, 0.3600



22.6649, 0.2749, 0.2669

Complementary

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



22.6649, 0.3896, 0.3610



25.1107, 0.2567, 0.2942

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.



22.6649, 0.2501, 0.2707



22.6649, 0.3896, 0.3610



22.6649, 0.2501, 0.3225

Square

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



22.6649, 0.3896, 0.3610



22.6649, 0.3107, 0.3889



22.6649, 0.2414, 0.2900



22.6649, 0.3110, 0.2776

Rectangle

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



22.6649, 0.3896, 0.3610



22.6649, 0.3597, 0.3964



22.6649, 0.2414, 0.2900



22.6649, 0.2650, 0.2664

Sweetspot

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



22.6660, 0.3896, 0.3610



57.0736, 0.3311, 0.3380



19.2937, 0.3414, 0.2649



12.6129, 0.3335, 0.3391



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.6660, 0.3896, 0.3610



36.2840, 0.4136, 0.3682



31.1390, 0.3731, 0.4049



7.4478, 0.3277, 0.3364



8.1387, 0.5859, 0.3730



0.2542, 0.5195, 0.4257

Inverse Universe

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



25.1107, 0.2567, 0.2942



41.2864, 0.2449, 0.2848



17.3218, 0.2489, 0.2393



7.6178, 0.2987, 0.3215



10.7306, 0.1945, 0.2203



0.3060, 0.2068, 0.2643

Previews

White Background



This preview shows how the Yxy color 22.6649, 0.3896, 0.3610 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 22.6649, 0.3896, 0.3610 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 22.6649, 0.3896, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 22.6649, 0.3896, 0.3610.



This preview shows how white text looks on a background with the Yxy color 22.6649, 0.3896, 0.3610.

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

22.6649, 0.3896, 0.3610

Protanopia

22.7622, 0.3501, 0.3730

Deuteranopia

22.7313, 0.3771, 0.3705



Tritanopia

22.5962, 0.3631, 0.3152

Trichromacy



Original Color

22.6649, 0.3896, 0.3610

Protanomaly

22.7542, 0.3637, 0.3681

Deuteranomaly

22.7749, 0.3815, 0.3684

Tritanomaly

22.5010, 0.3731, 0.3308

Monochromacy



Original Color

22.6649, 0.3896, 0.3610

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.6585, 0.3387, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6649, 0.3896, 0.3610 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(163, 122, 102)` looks like.

```
.text, #text, p{  
    color:rgb(163, 122, 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(163, 122, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 122, 102) }
```

Border

The CSS property to change the border of an element to Yxy 22.6649, 0.3896, 0.3610 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(163, 122, 102) }
```

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

```
.border{ border-color:rgb(163, 122, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 122, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 122, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 122, 102);  
box-shadow:4px 4px 4px 4px rgb(163, 122,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6649, 0.3896, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 122, 102) }
```

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

```
.background{ background-color: rgb(163,  
122, 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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