

Converting Colors

$Y_{xy}(22.8380, 0.3910, 0.3618)$

Have a look what the booklet for
Yxy(22.8380, 0.3910, 0.3618)
contains.

Yxy(22.7709, 0.3909, 0.3608)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7709, 0.3909, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	A47A66
RGB	164, 122, 102
RGB Percent	64%, 48%, 40%
CMY	0.3568, 0.5216, 0.5999
CMYK	0.00, 0.26, 0.38, 0.36
HSL	19°, 25%, 52%
HSV	19°, 38%, 64%
XYZ	24.6706, 22.7709, 15.6708
YIQ	132.2780, 31.4520, 2.6840

Conversions

Conversions Part 2

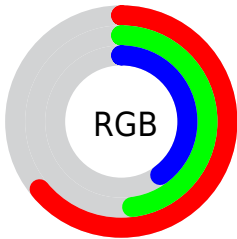
Format	Color
RYB	164, 132, 102
Decimal	10779238
CIELab	54.84, 13.62, 17.32
CIELCh	55, 22.033, 51.818
Yxy	22.7709, 0.3909, 0.3608
Android (android.graphics.Color)	4288969318 (0xFFA47A66)
YUV	132.2780, -14.9271, 27.8202
Hunter-Lab	47.7189, 8.7762, 13.9325

Details

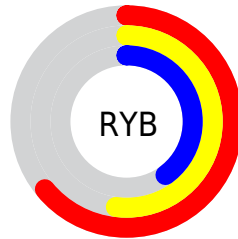
The Yxy color $22.7709, 0.3909, 0.3608$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $25.4652, 0.2562, 0.2944$, and the grayscale version is $23.2277, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.1755, 0.3733, 0.3554$, and $8.4204, 0.4226, 0.3696$ is the 20% darker color. If you saturate the color by 10%, you get $19.9025, 0.4200, 0.3691$, and if you desaturate by 10%, it is $26.0182, 0.3655, 0.3521$.

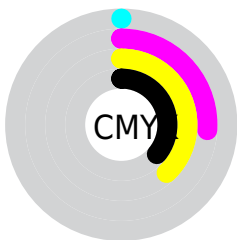
Distribution



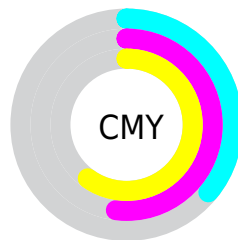
- Red (64%)
- Green (48%)
- Blue (40%)



- Red (64%)
- Yellow (52%)
- Blue (40%)



- Cyan (0%)
- Magenta (26%)
- Yellow (38%)
- Black (36%)




- Cyan (36%)
- Magenta (52%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7709, 0.3909, 0.3608 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 22.7709, 0.3909, 0.3608 by changing the saturation by 10% instead.


 22.7709, 0.3909,
0.3608

 22.7709, 0.3909,
0.3608


266.5461, 0.3469,
0.3442


 14.4244, 0.4038,
0.3650


 48.0169, 0.3736,
0.3547

 8.4165, 0.4216,
0.3702


 65.6852, 0.3675,
0.3524

 4.3626, 0.4476,
0.3766

 87.2295, 0.3625,
0.3505

 1.8784, 0.4935,
0.3874

 113.0343, 0.3583,
0.3489

 0.5353, 0.6111,
0.3889

143.4840, 0.3548,
0.3475

 0.0000, 0.0000,
0.0000

178.9629, 0.3518,

0.3463

219.8555, 0.3492,
0.3452

■ 22.7709, 0.3909,
0.3608

■ 22.7709, 0.3909,
0.3608

■ 19.9025, 0.4200,
0.3691

■ 26.0182, 0.3655,
0.3521

■ 17.3954, 0.4526,
0.3762

■ 29.6545, 0.3437,
0.3434

■ 15.2355, 0.4875,
0.3810

■ 33.6939, 0.3252,
0.3351


■ 13.4062, 0.5228,
0.3824

■ 38.1484, 0.3095,
0.3273


■ 11.8895, 0.5556,
0.3794

■ 43.0296, 0.2962,
0.3201

 10.6626, 0.5832,
0.3721

 48.3489, 0.2848,
0.3136

 10.4263, 0.5891,
0.3705

 54.1169, 0.2752,
0.3075

 60.3439, 0.2670,
0.3021

 67.0401, 0.2599,
0.2971

Harmonies

Analogous

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



22.7709, 0.3800, 0.3291



22.7709, 0.3909, 0.3608



22.7709, 0.3793, 0.3871

Triad

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



22.7709, 0.3909, 0.3608



22.7709, 0.2749, 0.3613



22.7709, 0.2736, 0.2658

Complementary

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



22.7709, 0.3909, 0.3608



25.4652, 0.2562, 0.2944

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.



22.7709, 0.2488, 0.2700



22.7709, 0.3909, 0.3608



22.7709, 0.2494, 0.3231

Square

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



22.7709, 0.3909, 0.3608



22.7709, 0.3114, 0.3904



22.7709, 0.2403, 0.2899



22.7709, 0.3101, 0.2765

Rectangle

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



22.7709, 0.3909, 0.3608



22.7709, 0.3611, 0.3973



22.7709, 0.2403, 0.2899



22.7709, 0.2637, 0.2655

Sweetspot

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



22.7720, 0.3909, 0.3608



58.5653, 0.3312, 0.3379



19.4264, 0.3418, 0.2642



12.5979, 0.3335, 0.3389



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.



22.7720, 0.3909, 0.3608



37.0830, 0.4140, 0.3675



31.5213, 0.3738, 0.4057



7.4413, 0.3277, 0.3363



8.0714, 0.5873, 0.3718



0.2520, 0.5208, 0.4247

Inverse Universe

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



25.4652, 0.2562, 0.2944



42.6289, 0.2450, 0.2856



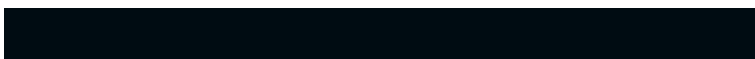
17.4037, 0.2482, 0.2382



7.6246, 0.2987, 0.3216



10.8874, 0.1951, 0.2223



0.3085, 0.2071, 0.2655

Previews

White Background



This preview shows how the Yxy color 22.7709, 0.3909, 0.3608 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 22.7709, 0.3909, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

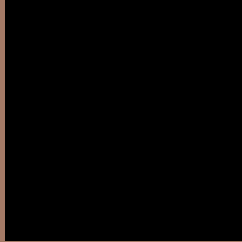
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7709, 0.3909, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 22.7709, 0.3909, 0.3608.



This preview shows how white text looks on a background with the Yxy color 22.7709, 0.3909, 0.3608.

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

22.7709, 0.3909, 0.3608

Protanopia

22.7622, 0.3501, 0.3730

Deuteranopia

22.7313, 0.3771, 0.3705



Tritanopia

22.7047, 0.3644, 0.3152

Trichromacy



Original Color

22.7709, 0.3909, 0.3608

Protanomaly

22.7542, 0.3637, 0.3681

Deuteranomaly

22.8759, 0.3828, 0.3682

Tritanomaly

22.6086, 0.3744, 0.3307

Monochromacy



Original Color

22.7709, 0.3909, 0.3608

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.7481, 0.3399, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7709, 0.3909, 0.3608 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(164, 122, 102)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 122, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 122, 102) }
```

Border

The CSS property to change the border of an element to Yxy 22.7709, 0.3909, 0.3608 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(164, 122, 102) }
```

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

```
.border{ border-color:rgb(164, 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(164, 122, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 122, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 122, 102);  
box-shadow:4px 4px 4px 4px rgb(164, 122,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7709, 0.3909, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 122, 102) }
```

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

```
.background{ background-color: rgb(164,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor