

Converting Colors

$Yxy(22.7530, 0.3967, 0.3457)$

Have a look what the booklet for
Yxy(22.7530, 0.3967, 0.3457)
contains.

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Color

Yxy(22.7891, 0.3970, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	AC766B
RGB	172, 118, 107
RGB Percent	67%, 46%, 42%
CMY	0.3254, 0.5373, 0.5804
CMYK	0.00, 0.31, 0.38, 0.33
HSL	10°, 28%, 55%
HSV	10°, 38%, 67%
XYZ	26.1482, 22.7891, 16.9272
YIQ	132.8920, 35.7150, 8.0270

Conversions

Conversions Part 2

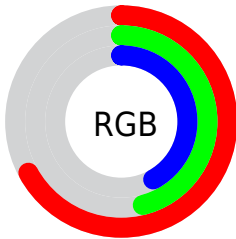
Format	Color
R_{YB}	172, 120, 107
Decimal	11302507
CIE Lab	54.85, 19.78, 14.62
CIE LCh	55, 24.601, 36.469
Yxy	22.7891, 0.3970, 0.3460
Android (android.graphics.Color)	4289492587 (0xFFAC766B)
YUV	132.8920, -12.7648, 34.2977
Hunter-Lab	47.7379, 14.2310, 12.3932

Details

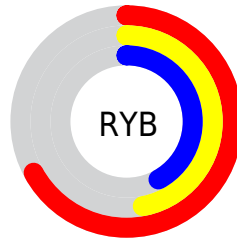
The Yxy color **22.7891, 0.3970, 0.3460** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.5982, 0.2584, 0.3110**, and the grayscale version is **23.4522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8761, 0.3788, 0.3431**, and **8.4340, 0.4303, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **19.3490, 0.4305, 0.3503**, and if you desaturate by 10%, it is **26.8133, 0.3686, 0.3413**.

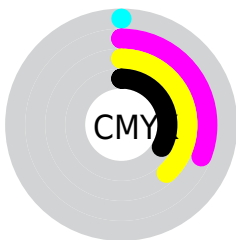
Distribution



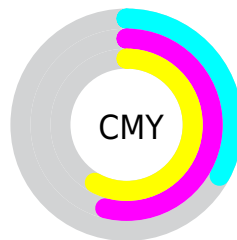
- Red (67%)
- Green (46%)
- Blue (42%)



- Red (67%)
- Yellow (47%)
- Blue (42%)



- Cyan (0%)
- Magenta (31%)
- Yellow (38%)
- Black (33%)





- Cyan (33%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7891, 0.3970, 0.3460 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 22.7891, 0.3970, 0.3460 by changing the saturation by 10% instead.


 22.7891, 0.3970,
0.3460


 22.7891, 0.3970,
0.3460


266.6399, 0.3494,
0.3379


 14.4379, 0.4110,
0.3477


 48.0468, 0.3782,
0.3432

 8.4258, 0.4304,
0.3495


 65.7220, 0.3716,
0.3421

 4.3686, 0.4590,
0.3509

 87.2741, 0.3662,
0.3412

 1.8818, 0.5057,
0.3510

 113.0873, 0.3618,
0.3403

 0.5374, 0.6511,
0.3489

143.5461, 0.3580,
0.3396

 0.0000, 0.0000,
0.0000

179.0349, 0.3547,

0.3390

219.9380, 0.3519,
0.3384

■ 22.7891, 0.3970,
0.3460

■ 22.7891, 0.3970,
0.3460

■ 19.3490, 0.4305,
0.3503

■ 26.8133, 0.3686,
0.3413

■ 16.4626, 0.4687,
0.3538

■ 31.4437, 0.3450,
0.3367

■ 14.1016, 0.5104,
0.3556


■ 36.7053, 0.3255,
0.3323

■ 12.2339, 0.5521,
0.3549


■ 42.6206, 0.3094,
0.3281

■ 10.8238, 0.5890,
0.3512

■ 49.2110, 0.2962,
0.3243


 9.8280, 0.6169,
0.3452

 56.4971, 0.2852,
0.3209

 9.6573, 0.6222,
0.3442

 64.4983, 0.2760,
0.3178

 73.2336, 0.2683,
0.3149

 82.2749, 0.2650,
0.3197

Harmonies

Analogous

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



22.7891, 0.3726, 0.3112



22.7891, 0.3970, 0.3460



22.7891, 0.3966, 0.3795

Triad

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



22.7891, 0.3970, 0.3460



22.7891, 0.2902, 0.3843



22.7891, 0.2531, 0.2592

Complementary

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



22.7891, 0.3970, 0.3460



31.5982, 0.2584, 0.3110

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.



22.7891, 0.2347, 0.2723



22.7891, 0.3970, 0.3460



22.7891, 0.2548, 0.3443

Square

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



22.7891, 0.3970, 0.3460



22.7891, 0.3333, 0.4063



22.7891, 0.2352, 0.3025



22.7891, 0.2877, 0.2630

Rectangle

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



22.7891, 0.3970, 0.3460



22.7891, 0.3828, 0.3968



22.7891, 0.2352, 0.3025



22.7891, 0.2450, 0.2616

Sweetspot

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



22.7902, 0.3970, 0.3460



63.2036, 0.3317, 0.3337



21.8655, 0.3298, 0.2510



13.4627, 0.3342, 0.3343



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.



22.7902, 0.3970, 0.3460



36.2583, 0.4234, 0.3495



31.7563, 0.3791, 0.3930



8.2263, 0.3282, 0.3329



7.2422, 0.6207, 0.3453



0.2659, 0.5709, 0.3849

Inverse Universe

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



31.5982, 0.2584, 0.3110



54.4202, 0.2485, 0.3065



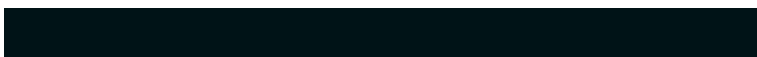
21.7170, 0.2504, 0.2551



8.8379, 0.2986, 0.3251



16.8796, 0.2097, 0.2750



0.5296, 0.2147, 0.2930

Previews

White Background



This preview shows how the Yxy color 22.7891, 0.3970, 0.3460 looks on a white background.

Color Contrast Check

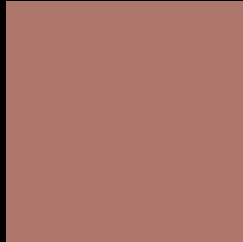
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7891, 0.3970, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

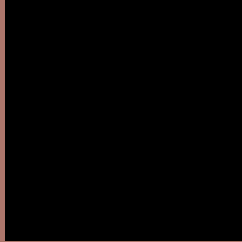
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7891, 0.3970, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 22.7891, 0.3970, 0.3460.



This preview shows how white text looks on a background with the Yxy color 22.7891, 0.3970, 0.3460.

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

22.7891, 0.3970, 0.3460

Protanopia

22.8281, 0.3409, 0.3606

Deuteranopia

22.7139, 0.3710, 0.3641



Tritanopia

22.7154, 0.3783, 0.3157

Trichromacy



Original Color

22.7891, 0.3970, 0.3460

Protanomaly

22.5534, 0.3599, 0.3544

Deuteranomaly

22.6801, 0.3802, 0.3566

Tritanomaly

22.6830, 0.3847, 0.3262

Monochromacy



Original Color

22.7891, 0.3970, 0.3460

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.0966, 0.3401, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7891, 0.3970, 0.3460 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(172, 118, 107)` looks like.

```
.text, #text, p{  
    color:rgb(172, 118, 107)  
}
```

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(172, 118, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 118, 107) }
```

Border

The CSS property to change the border of an element to Yxy 22.7891, 0.3970, 0.3460 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(172, 118, 107) }
```

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

```
.border{ border-color:rgb(172, 118, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 118, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 118, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 118, 107);  
box-shadow:4px 4px 4px 4px rgb(172, 118,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7891, 0.3970, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 118, 107) }
```

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

```
.background{ background-color: rgb(172,  
118, 107) }
```

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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