

Converting Colors

$Y_{xy}(22.0742, 0.4076, 0.3553)$

Have a look what the booklet for
Yxy(22.0742, 0.4076, 0.3553)
contains.

Yxy(22.0496, 0.4075, 0.3552)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.0496, 0.4075, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	AB7463
RGB	171, 116, 99
RGB Percent	67%, 45%, 39%
CMY	0.3293, 0.5451, 0.6117
CMYK	0.00, 0.32, 0.42, 0.33
HSL	14°, 30%, 53%
HSV	14°, 42%, 67%
XYZ	25.2962, 22.0496, 14.7308
YIQ	130.5070, 38.2370, 6.3730

Conversions

Conversions Part 2

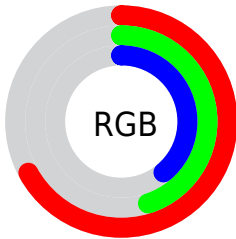
Format	Color
R_{YB}	171, 121, 99
Decimal	11236451
CIE _{Lab}	54.08, 19.55, 18.15
CIE _{LCh}	54, 26.681, 42.878
Yxy	22.0496, 0.4075, 0.3552
Android (android.graphics.Color)	4289426531 (0xFFAB7463)
YUV	130.5070, -15.5330, 35.5124
Hunter-Lab	46.9570, 13.9850, 14.2702

Details

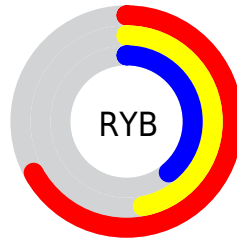
The Yxy color **22.0496, 0.4075, 0.3552** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **28.7204, 0.2517, 0.3004**, and the grayscale version is **22.5594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7013, 0.3862, 0.3502**, and **7.9752, 0.4453, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **18.9534, 0.4410, 0.3609**, and if you desaturate by 10%, it is **25.6411, 0.3785, 0.3489**.

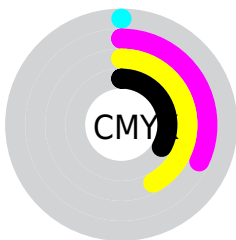
Distribution



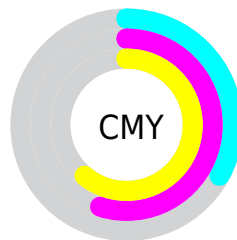
- Red (67%)
- Green (45%)
- Blue (39%)



- Red (67%)
- Yellow (47%)
- Blue (39%)



- Cyan (0%)
- Magenta (32%)
- Yellow (42%)
- Black (33%)





- Cyan (33%)
- Magenta (55%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0496, 0.4075, 0.3552 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 22.0496, 0.4075, 0.3552 by changing the saturation by 10% instead.


 22.0496, 0.4075,
0.3552


 22.0496, 0.4075,
0.3552


262.8052, 0.3538,
0.3423


 13.8933, 0.4233,
0.3580


 46.8280, 0.3863,
0.3507


 8.0465, 0.4452,
0.3611


 64.2189, 0.3788,
0.3490

 4.1247, 0.4772,
0.3640

 85.4568, 0.3728,
0.3474

 1.7436, 0.5377,
0.3712

 110.9261, 0.3677,
0.3461

 0.4516, 0.6679,
0.3321

141.0112, 0.3634,
0.3450

 0.0000, 0.0000,
0.0000

176.0965, 0.3597,

0.3440

216.5663, 0.3566,
0.3431

■ 22.0496, 0.4075,
0.3552

■ 22.0496, 0.4075,
0.3552

■ 18.9534, 0.4410,
0.3609

■ 25.6411, 0.3785,
0.3489

■ 16.3274, 0.4784,
0.3651

■ 29.7454, 0.3538,
0.3424

■ 14.1489, 0.5178,
0.3669


■ 34.3829, 0.3332,
0.3361

■ 12.3918, 0.5560,
0.3653

■ 39.5721, 0.3160,
0.3302


■ 11.0274, 0.5888,
0.3598

■ 45.3303, 0.3016,
0.3247

 10.1998, 0.6098,
0.3540

 51.6744, 0.2896,
0.3197

 58.6202, 0.2795,
0.3152

 66.1834, 0.2709,
0.3110

 74.3786, 0.2637,
0.3072

Harmonies

Analogous

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



22.0496, 0.3861, 0.3171



22.0496, 0.4075, 0.3552



22.0496, 0.4008, 0.3904

Triad

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



22.0496, 0.4075, 0.3552



22.0496, 0.2785, 0.3818



22.0496, 0.2543, 0.2524

Complementary

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



22.0496, 0.4075, 0.3552



28.7204, 0.2517, 0.3004

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.



22.0496, 0.2304, 0.2623



22.0496, 0.4075, 0.3552



22.0496, 0.2432, 0.3352

Square

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



22.0496, 0.4075, 0.3552



22.0496, 0.3247, 0.4115



22.0496, 0.2264, 0.2911



22.0496, 0.2949, 0.2604

Rectangle

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



22.0496, 0.4075, 0.3552



22.0496, 0.3823, 0.4076



22.0496, 0.2264, 0.2911



22.0496, 0.2443, 0.2536

Sweetspot

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



22.0507, 0.4075, 0.3552



60.5769, 0.3353, 0.3368



19.9274, 0.3384, 0.2487



13.0961, 0.3396, 0.3381



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.



22.0507, 0.4075, 0.3552



34.0388, 0.4403, 0.3608



31.9596, 0.3849, 0.4066



8.3105, 0.3281, 0.3344



7.7569, 0.6081, 0.3553



0.2990, 0.5508, 0.4008

Inverse Universe

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



28.7204, 0.2517, 0.3004



47.6064, 0.2396, 0.2925



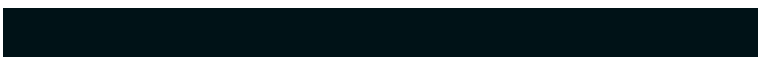
18.6027, 0.2414, 0.2363



8.7471, 0.2986, 0.3235



14.4728, 0.2034, 0.2523



0.4795, 0.2106, 0.2781

Previews

White Background



This preview shows how the Yxy color 22.0496, 0.4075, 0.3552 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 22.0496, 0.4075, 0.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

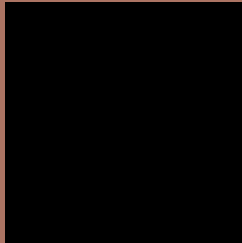
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0496, 0.4075, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 22.0496, 0.4075, 0.3552.



This preview shows how white text looks on a background with the Yxy color 22.0496, 0.4075, 0.3552.

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

22.0496, 0.4075, 0.3552

Protanopia

22.0388, 0.3495, 0.3718

Deuteranopia

22.0507, 0.3818, 0.3742



Tritanopia

22.0750, 0.3820, 0.3171

Trichromacy



Original Color

22.0496, 0.4075, 0.3552

Protanomaly

21.7841, 0.3693, 0.3648

Deuteranomaly

22.0302, 0.3914, 0.3663

Tritanomaly

21.9975, 0.3911, 0.3308

Monochromacy



Original Color

22.0496, 0.4075, 0.3552

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.3646, 0.3453, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0496, 0.4075, 0.3552 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, 116, 99)` looks like.

```
.text, #text, p{  
    color:rgb(171, 116, 99)  
}
```

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, 116, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 116, 99) }
```

Border

The CSS property to change the border of an element to Yxy 22.0496, 0.4075, 0.3552 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, 116, 99) }
```

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

```
.border{ border-color:rgb(171, 116, 99) }
```

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

Here you see how a box with a 4 pixel rgb(171, 116, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 116, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 116, 99);  
box-shadow:4px 4px 4px 4px rgb(171, 116,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0496, 0.4075, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 116, 99) }
```

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

```
.background{ background-color: rgb(171,  
116, 99) }
```

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