

Converting Colors

$Y_{xy}(20.8204, 0.4465, 0.3862)$

Have a look what the booklet for
Yxy(20.8204, 0.4465, 0.3862)
contains.

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Color

Yxy(20.8400, 0.4454, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	AC7049
RGB	172, 112, 73
RGB Percent	67%, 44%, 29%
CMY	0.3255, 0.5608, 0.7138
CMYK	0.00, 0.35, 0.58, 0.33
HSL	24°, 40%, 48%
HSV	24°, 58%, 67%
XYZ	24.0097, 20.8400, 9.0562
YIQ	125.4940, 48.2790, 0.5910

Conversions

Conversions Part 2

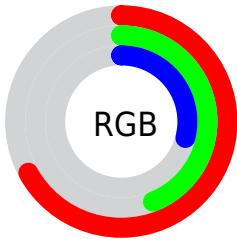
Format	Color
R _Y B	172, 137, 73
Decimal	11300937
CIE Lab	52.77, 19.63, 31.27
CIE LCh	53, 36.925, 57.881
Yxy	20.8400, 0.4454, 0.3866
Android (android.graphics.Color)	4289491017 (0xFFAC7049)
YUV	125.4940, -25.8795, 40.7858
Hunter-Lab	45.6508, 13.9915, 20.1937

Details

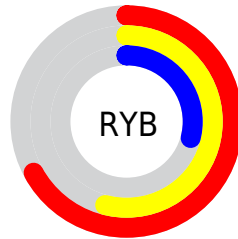
The Yxy color **20.8400, 0.4454, 0.3866** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.1619, 0.2269, 0.2585**, and the grayscale version is **20.7605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7791, 0.4165, 0.3774**, and **7.4589, 0.4942, 0.3992** is the 20% darker color. If you saturate the color by 10%, you get **18.4754, 0.4772, 0.3931**, and if you desaturate by 10%, it is **23.5360, 0.4153, 0.3777**.

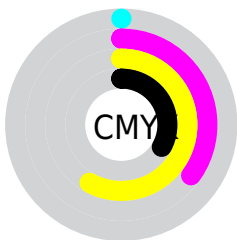
Distribution



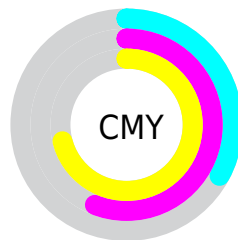
- Red (67%)
- Green (44%)
- Blue (29%)



- Red (67%)
- Yellow (54%)
- Blue (29%)



- Cyan (0%)
- Magenta (35%)
- Yellow (58%)
- Black (33%)





- Cyan (33%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8400, 0.4454, 0.3866 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 20.8400, 0.4454, 0.3866 by changing the saturation by 10% instead.


 20.8400, 0.4454,
0.3866


 20.8400, 0.4454,
0.3866


256.4270, 0.3707,
0.3583


 13.0071, 0.4665,
0.3923


 44.8211, 0.4163,
0.3769


 7.4334, 0.4945,
0.3981

 61.7381, 0.4059,
0.3731

 3.7346, 0.5357,
0.4039

 82.4519, 0.3974,
0.3697

 1.5262, 0.5963,
0.4037

 107.3469, 0.3903,
0.3668

 0.3071, 0.7152,
0.2848

 136.8075, 0.3843,
0.3642

 0.0000, 0.0000,
0.0000

171.2181, 0.3791,

0.3620

210.9632, 0.3746,
0.3600

■ 20.8400, 0.4454,
0.3866

■ 20.8400, 0.4454,
0.3866

■ 18.4754, 0.4772,
0.3931

■ 23.5360, 0.4153,
0.3777

■ 16.4246, 0.5092,
0.3958

■ 26.5736, 0.3881,
0.3676

■ 14.6729, 0.5389,
0.3939

■ 29.9664, 0.3639,
0.3569

■ 13.2005, 0.5644,
0.3871

■ 33.7260, 0.3429,
0.3464

■ 12.8798, 0.5704,
0.3853

■ 37.8638, 0.3247,
0.3363

■ 42.3905, 0.3091,
0.3268

■ 47.3162, 0.2958,
0.3179

■ 52.6509, 0.2843,
0.3098

■ 58.4040, 0.2745,
0.3024

Harmonies

Analogous

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



20.8400, 0.4364, 0.3356



20.8400, 0.4454, 0.3866



20.8400, 0.4155, 0.4311

Triad

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



20.8400, 0.4454, 0.3866



20.8400, 0.2372, 0.3718



20.8400, 0.2569, 0.2281

Complementary

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



20.8400, 0.4454, 0.3866



21.1619, 0.2269, 0.2585

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.



20.8400, 0.2134, 0.2277



20.8400, 0.4454, 0.3866



20.8400, 0.2025, 0.3024

Square

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



20.8400, 0.4454, 0.3866



20.8400, 0.2941, 0.4324



20.8400, 0.1949, 0.2518



20.8400, 0.3204, 0.2495

Rectangle

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



20.8400, 0.4454, 0.3866



20.8400, 0.3800, 0.4495



20.8400, 0.1949, 0.2518



20.8400, 0.2398, 0.2254

Sweetspot

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



20.8410, 0.4454, 0.3866



61.3745, 0.3424, 0.3461



15.2553, 0.3749, 0.2413



13.0409, 0.3462, 0.3481



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.



20.8410, 0.4454, 0.3866



32.4704, 0.4858, 0.3942



34.5490, 0.4021, 0.4501



8.5138, 0.3277, 0.3380



9.6853, 0.5686, 0.3867



0.3779, 0.5132, 0.4307

Inverse Universe

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



21.1619, 0.2269, 0.2585



33.0172, 0.2116, 0.2396



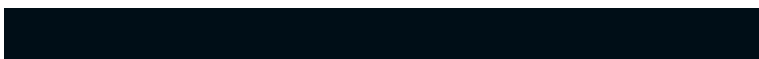
10.8174, 0.2074, 0.1674



8.5341, 0.2986, 0.3199



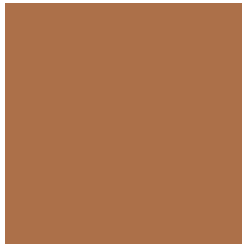
9.7250, 0.1880, 0.1967



0.3732, 0.2004, 0.2413

Previews

White Background



This preview shows how the Yxy color 20.8400, 0.4454, 0.3866 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 20.8400, 0.4454, 0.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

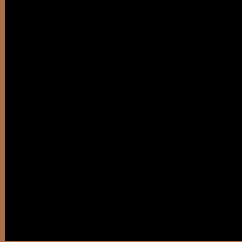
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8400, 0.4454, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 20.8400, 0.4454, 0.3866.



This preview shows how white text looks on a background with the Yxy color 20.8400, 0.4454, 0.3866.

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

20.8400, 0.4454, 0.3866

Protanopia

20.8750, 0.3832, 0.4141

Deuteranopia

20.9997, 0.4161, 0.4102



Tritanopia

20.8672, 0.3958, 0.3173

Trichromacy



Original Color

20.8400, 0.4454, 0.3866

Protanomaly

20.6806, 0.4052, 0.4044

Deuteranomaly

21.0018, 0.4268, 0.4011

Tritanomaly

20.8560, 0.4146, 0.3428

Monochromacy



Original Color

20.8400, 0.4454, 0.3866

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2243, 0.3582, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8400, 0.4454, 0.3866 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, 112, 73)` looks like.

```
.text, #text, p{  
    color:rgb(172, 112, 73)  
}
```

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, 112, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 112, 73) }
```

Border

The CSS property to change the border of an element to Yxy 20.8400, 0.4454, 0.3866 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, 112, 73) }
```

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

```
.border{ border-color:rgb(172, 112, 73) }
```

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

Here you see how a box with a 4 pixel rgb(172, 112, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 112, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 112, 73);  
box-shadow:4px 4px 4px 4px rgb(172, 112,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8400, 0.4454, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 112, 73) }
```

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

```
.background{ background-color: rgb(172,  
112, 73) }
```

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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