

Converting Colors

$Y_{xy}(22.3248, 0.4172, 0.4202)$

Have a look what the booklet for
Yxy(22.3248, 0.4172, 0.4202)
contains.

Yxy(22.4070, 0.4172, 0.4208)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(22.4070, 0.4172, 0.4208)$

Conversions

Conversions Part 1

Format	Color
Hex	9C7E44
RGB	156, 126, 68
RGB Percent	61%, 49%, 27%
CMY	0.3882, 0.5059, 0.7332
CMYK	0.00, 0.19, 0.56, 0.39
HSL	40°, 39%, 44%
HSV	40°, 56%, 61%
XYZ	22.2153, 22.4070, 8.6263
YIQ	128.3580, 36.4980, -11.6780

Conversions

Conversions Part 2

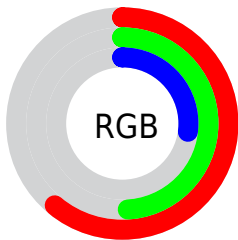
Format	Color
RYB	114, 156, 68
Decimal	10255940
CIELab	54.46, 4.30, 35.58
CIElCh	54, 35.837, 83.104
Yxy	22.4070, 0.4172, 0.4208
Android (android.graphics.Color)	4288446020 (0xFF9C7E44)
YUV	128.3580, -29.7565, 24.2420
Hunter-Lab	47.3360, 0.9339, 22.3305

Details

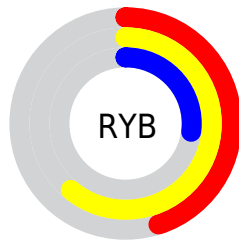
The Yxy color **22.4070, 0.4172, 0.4208** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.3694, 0.2188, 0.2122**, and the grayscale version is **21.8145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6943, 0.3955, 0.4028**, and **8.1867, 0.4516, 0.4471** is the 20% darker color. If you saturate the color by 10%, you get **20.9177, 0.4378, 0.4333**, and if you desaturate by 10%, it is **24.0215, 0.3963, 0.4059**.

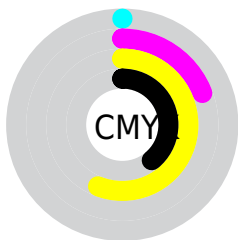
Distribution



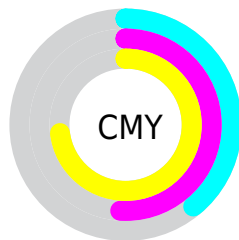
- Red (61%)
- Green (49%)
- Blue (27%)



- Red (45%)
- Yellow (61%)
- Blue (27%)



- Cyan (0%)
- Magenta (19%)
- Yellow (56%)
- Black (39%)




- Cyan (39%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4070, 0.4172, 0.4208 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 22.4070, 0.4172, 0.4208 by changing the saturation by 10% instead.


 22.4070, 0.4172,
0.4208


 22.4070, 0.4172,
0.4208


264.6644, 0.3601,
0.3719

 14.1563, 0.4323,
0.4330


 47.4178, 0.3956,
0.4027


 8.2294, 0.4515,
0.4479


 64.9466, 0.3877,
0.3960

 4.2421, 0.4798,
0.4692

 86.3369, 0.3811,
0.3903

 1.8099, 0.5115,
0.4885

 111.9731, 0.3756,
0.3855

 0.4933, 0.5378,
0.4622

 142.2395, 0.3709,
0.3814

 0.0000, 0.0000,
0.0000

177.5206, 0.3668,

0.3778

218.2008, 0.3633,
0.3747

■ 22.4070, 0.4172,
0.4208

■ 22.4070, 0.4172,
0.4208

■ 20.9177, 0.4378,
0.4333

■ 24.0215, 0.3963,
0.4059

■ 19.5452, 0.4573,
0.4422

■ 25.7627, 0.3759,
0.3894

■ 18.2846, 0.4746,
0.4466

■ 27.6360, 0.3566,
0.3724

■ 17.1277, 0.4890,
0.4464

■ 29.6457, 0.3387,
0.3555

■ 16.7305, 0.4941,
0.4459

■ 31.7955, 0.3223,
0.3391

■ 34.0892, 0.3076,
0.3235

■ 36.5301, 0.2943,
0.3089

■ 39.1218, 0.2825,
0.2953

■ 41.8673, 0.2720,
0.2828

Harmonies

Analogous

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



22.4070, 0.4400, 0.3770



22.4070, 0.4172, 0.4208



22.4070, 0.3671, 0.4453

Triad

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



22.4070, 0.4172, 0.4208



22.4070, 0.2114, 0.3139



22.4070, 0.3098, 0.2487

Complementary

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



22.4070, 0.4172, 0.4208



12.3694, 0.2188, 0.2122

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.



22.4070, 0.2517, 0.2312



22.4070, 0.4172, 0.4208



22.4070, 0.1997, 0.2619

Square

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



22.4070, 0.4172, 0.4208



22.4070, 0.2486, 0.3801



22.4070, 0.2136, 0.2345



22.4070, 0.3750, 0.2830

Rectangle

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



22.4070, 0.4172, 0.4208



22.4070, 0.3262, 0.4416



22.4070, 0.2136, 0.2345



22.4070, 0.2887, 0.2407

Sweetspot

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



22.4081, 0.4172, 0.4208



53.4901, 0.3403, 0.3571



12.1023, 0.4165, 0.2797



11.6203, 0.3435, 0.3601



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.4081, 0.4172, 0.4208



37.2347, 0.4438, 0.4363



30.0173, 0.3772, 0.4673



7.3391, 0.3269, 0.3437



13.8465, 0.4934, 0.4464



0.3230, 0.4577, 0.4748

Inverse Universe

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



12.3694, 0.2188, 0.2122



17.2098, 0.1983, 0.1800



8.2963, 0.2198, 0.1589



6.7866, 0.2988, 0.3139



4.1480, 0.1649, 0.1134



0.1486, 0.1864, 0.1910

Previews

White Background



This preview shows how the Yxy color 22.4070, 0.4172, 0.4208 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 22.4070, 0.4172, 0.4208 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 22.4070, 0.4172, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 22.4070, 0.4172, 0.4208.



This preview shows how white text looks on a background with the Yxy color 22.4070, 0.4172, 0.4208.

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

22.4070, 0.4172, 0.4208

Protanopia

22.6041, 0.3955, 0.4314

Deuteranopia

22.3062, 0.4242, 0.4159



Tritanopia

22.3292, 0.3552, 0.3148

Trichromacy



Original Color

22.4070, 0.4172, 0.4208

Protanomaly

22.4261, 0.4033, 0.4279

Deuteranomaly

22.4555, 0.4220, 0.4179

Tritanomaly

22.3306, 0.3795, 0.3551

Monochromacy



Original Color

22.4070, 0.4172, 0.4208

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6226, 0.3503, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4070, 0.4172, 0.4208 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(156, 126, 68)` looks like.

```
.text, #text, p{  
    color:rgb(156, 126, 68)  
}
```

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(156, 126, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 126, 68) }
```

Border

The CSS property to change the border of an element to Yxy 22.4070, 0.4172, 0.4208 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(156, 126, 68) }
```

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

```
.border{ border-color:rgb(156, 126, 68) }
```

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

Here you see how a box with a 4 pixel rgb(156, 126, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 126, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 126, 68);  
box-shadow:4px 4px 4px 4px rgb(156, 126,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4070, 0.4172, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 126, 68) }
```

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

```
.background{ background-color: rgb(156,  
126, 68) }
```

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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