

Converting Colors

$Y_{xy}(22.3439, 0.3744, 0.3339)$

Have a look what the booklet for
Yxy(22.3439, 0.3744, 0.3339)
contains.

Yxy(22.3471, 0.3745, 0.3339)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3471, 0.3745, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	A47774
RGB	164, 119, 116
RGB Percent	64%, 47%, 45%
CMY	0.3567, 0.5334, 0.5451
CMYK	0.00, 0.27, 0.29, 0.36
HSL	4°, 21%, 55%
HSV	4°, 29%, 64%
XYZ	25.0644, 22.3471, 19.5161
YIQ	132.1130, 27.7830, 8.6070

Conversions

Conversions Part 2

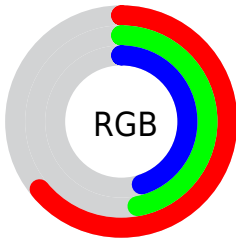
Format	Color
RYB	164, 119, 116
Decimal	10778484
CIELab	54.39, 17.21, 8.60
CIELCh	54, 19.244, 26.554
Yxy	22.3471, 0.3745, 0.3339
Android (android.graphics.Color)	4288968564 (0xFFA47774)
YUV	132.1130, -7.9437, 27.9649
Hunter-Lab	47.2727, 11.9148, 8.6136

Details

The Yxy color **22.3471, 0.3745, 0.3339** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.9015, 0.2708, 0.3240**, and the grayscale version is **23.1400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1686, 0.3608, 0.3327**, and **8.1772, 0.3996, 0.3338** is the 20% darker color. If you saturate the color by 10%, you get **18.6298, 0.4055, 0.3357**, and if you desaturate by 10%, it is **26.7266, 0.3490, 0.3321**.

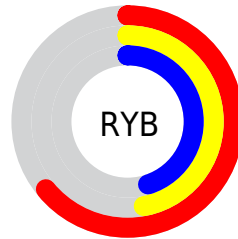
Distribution



Red (64%)

Green (47%)

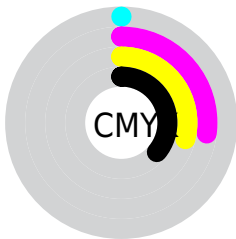
Blue (45%)



Red (64%)

Yellow (47%)

Blue (45%)

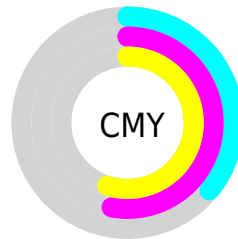


Cyan (0%)

Magenta (27%)

Yellow (29%)

Black (36%)



Cyan (36%)


Magenta (53%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3471, 0.3745, 0.3339 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 22.3471, 0.3745, 0.3339 by changing the saturation by 10% instead.


 22.3471, 0.3745,
0.3339


 22.3471, 0.3745,
0.3339


264.3536, 0.3395,
0.3318


 14.1122, 0.3849,
0.3342


 47.3190, 0.3607,
0.3333

 8.1987, 0.3994,
0.3343


 64.8248, 0.3558,
0.3330

 4.2224, 0.4212,
0.3340

 86.1896, 0.3519,
0.3328

 1.7987, 0.4570,
0.3320

111.7979, 0.3486,
0.3325

 0.4864, 0.6449,
0.3551

142.0341, 0.3458,
0.3323

 0.0000, 0.0000,
0.0000

177.2825, 0.3434,

0.3321

217.9275, 0.3413,
0.3320

■ 22.3471, 0.3745,
0.3339

■ 22.3471, 0.3745,
0.3339

■ 18.6298, 0.4055,
0.3357

■ 26.7266, 0.3490,
0.3321

■ 15.5395, 0.4426,
0.3372

■ 31.7950, 0.3284,
0.3305

■ 13.0427, 0.4850,
0.3383


■ 37.5814, 0.3116,
0.3289

■ 11.1011, 0.5305,
0.3387


■ 44.1122, 0.2980,
0.3275

■ 9.6724, 0.5743,
0.3379


■ 51.4125, 0.2870,
0.3262


 8.7080, 0.6099,
0.3360

 59.5064, 0.2779,
0.3250

 8.1451, 0.6335,
0.3340

 68.4166, 0.2704,
0.3240

 8.1175, 0.6349,
0.3341

 78.1652, 0.2641,
0.3230

 86.6362, 0.2624,
0.3289

Harmonies

Analogous

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



22.3471, 0.3502, 0.3065



22.3471, 0.3745, 0.3339



22.3471, 0.3811, 0.3617

Triad

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



22.3471, 0.3745, 0.3339



22.3471, 0.3064, 0.3795



22.3471, 0.2587, 0.2754

Complementary

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



22.3471, 0.3745, 0.3339



31.9015, 0.2708, 0.3240

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.



22.3471, 0.2487, 0.2911



22.3471, 0.3745, 0.3339



22.3471, 0.2751, 0.3522

Square

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



22.3471, 0.3745, 0.3339



22.3471, 0.3406, 0.3906



22.3471, 0.2545, 0.3190



22.3471, 0.2828, 0.2736

Rectangle

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



22.3471, 0.3745, 0.3339



22.3471, 0.3745, 0.3771



22.3471, 0.2545, 0.3190



22.3471, 0.2537, 0.2791

Sweetspot

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



22.3482, 0.3745, 0.3339



57.7970, 0.3282, 0.3304



22.9833, 0.3188, 0.2612



12.3391, 0.3308, 0.3307



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.



22.3482, 0.3745, 0.3339



36.1103, 0.3936, 0.3350



28.6285, 0.3644, 0.3699



7.1534, 0.3283, 0.3305



6.2477, 0.6341, 0.3347



0.1512, 0.6080, 0.3554

Inverse Universe

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



31.9015, 0.2708, 0.3240



56.2404, 0.2628, 0.3228



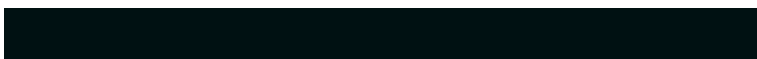
24.4621, 0.2666, 0.2843



7.9355, 0.2988, 0.3275



19.7524, 0.2194, 0.3099



0.4361, 0.2215, 0.3173

Previews

White Background



This preview shows how the Yxy color 22.3471, 0.3745, 0.3339 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 22.3471, 0.3745, 0.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

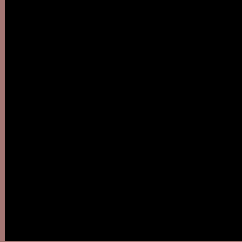
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3471, 0.3745, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 22.3471, 0.3745, 0.3339.



This preview shows how white text looks on a background with the Yxy color 22.3471, 0.3745, 0.3339.

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

22.3471, 0.3745, 0.3339

Protanopia

22.5213, 0.3274, 0.3431

Deuteranopia

22.5491, 0.3538, 0.3477



Tritanopia

22.2283, 0.3635, 0.3151

Trichromacy



Original Color

22.3471, 0.3745, 0.3339

Protanomaly

22.3888, 0.3441, 0.3393

Deuteranomaly

22.2737, 0.3613, 0.3424

Tritanomaly

22.3613, 0.3683, 0.3229

Monochromacy



Original Color

22.3471, 0.3745, 0.3339

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.6144, 0.3343, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3471, 0.3745, 0.3339 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, 119, 116)` looks like.

```
.text, #text, p{  
    color:rgb(164, 119, 116)  
}
```

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, 119, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 119, 116) }
```

Border

The CSS property to change the border of an element to Yxy 22.3471, 0.3745, 0.3339 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, 119, 116) }
```

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

```
.border{ border-color:rgb(164, 119, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 119, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 119, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 119, 116);  
box-shadow:4px 4px 4px 4px rgb(164, 119,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3471, 0.3745, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 119, 116) }
```

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

```
.background{ background-color: rgb(164,  
119, 116) }
```

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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