

Converting Colors

$Y_{xy}(22.3107, 0.3366, 0.4482)$

Have a look what the booklet for
Yxy(22.3107, 0.3366, 0.4482)
contains.

Yxy(22.4320, 0.3370, 0.4495)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4320, 0.3370, 0.4495)

Conversions

Conversions Part 1

Format	Color
Hex	6B8C4E
RGB	107, 140, 78
RGB Percent	42%, 55%, 31%
CMY	0.5804, 0.4510, 0.6940
CMYK	0.24, 0.00, 0.44, 0.45
HSL	92°, 28%, 43%
HSV	92°, 44%, 55%
XYZ	16.8178, 22.4320, 10.6546
YIQ	123.0650, 0.2340, -26.2780

Conversions

Conversions Part 2

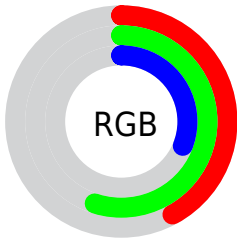
Format	Color
RYB	78, 140, 111
Decimal	7048270
CIELab	54.48, -23.10, 29.36
CIELCh	54, 37.357, 128.197
Yxy	22.4320, 0.3370, 0.4495
Android (android.graphics.Color)	4285238350 (0xFF6B8C4E)
YUV	123.0650, -22.2170, -14.0890
Hunter-Lab	47.3624, -19.5013, 19.8159

Details

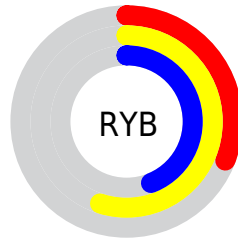
The Yxy color $22.4320, 0.3370, 0.4495$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $10.7255, 0.2755, 0.2108$, and the grayscale version is $19.9059, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.6157, 0.3337, 0.4216$, and $8.2811, 0.3394, 0.5027$ is the 20% darker color. If you saturate the color by 10%, you get $21.8108, 0.3404, 0.4787$, and if you desaturate by 10%, it is $23.1378, 0.3324, 0.4201$.

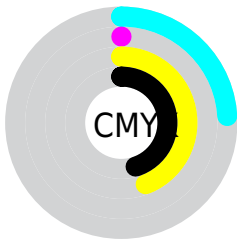
Distribution



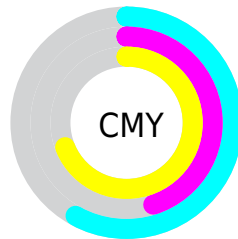
- Red (42%)
- Green (55%)
- Blue (31%)



- Red (31%)
- Yellow (55%)
- Blue (44%)



- Cyan (24%)
- Magenta (0%)
- Yellow (44%)
- Black (45%)




- Cyan (58%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4320, 0.3370, 0.4495 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 22.4320, 0.3370, 0.4495 by changing the saturation by 10% instead.


 22.4320, 0.3370,
0.4495


 22.4320, 0.3370,
0.4495


264.7941, 0.3256,
0.3793


 14.1747, 0.3389,
0.4710


 47.4590, 0.3334,
0.4212

 8.2423, 0.3401,
0.5011


 64.9974, 0.3318,
0.4115

 4.2503, 0.3388,
0.5458

 86.3983, 0.3304,
0.4036

 1.8146, 0.3473,
0.6527

 112.0461, 0.3292,
0.3971

 0.4962, 0.0000,
1.0000

 142.3252, 0.3282,
0.3916

 0.0000, 0.0000,
0.0000

177.6199, 0.3272,

0.3869

218.3148, 0.3264,
0.3829

■ 22.4320, 0.3370,
0.4495

■ 22.4320, 0.3370,
0.4495

■ 21.8108, 0.3404,
0.4787

■ 23.1378, 0.3324,
0.4201

■ 21.2674, 0.3422,
0.5062

■ 23.9286, 0.3271,
0.3914

■ 20.7988, 0.3422,
0.5307

■ 24.8087, 0.3213,
0.3643

■ 20.4004, 0.3402,
0.5509


■ 25.7811, 0.3153,
0.3391

■ 20.0666, 0.3363,
0.5657


■ 26.8488, 0.3093,
0.3161

 19.8965, 0.3338,
0.5731

 28.0144, 0.3035,
0.2952

 29.2806, 0.2979,
0.2765

 30.6500, 0.2926,
0.2597

 32.1249, 0.2877,
0.2448

Harmonies

Analogous

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



22.4320, 0.3974, 0.4409



22.4320, 0.3370, 0.4495



22.4320, 0.2733, 0.4136

Triad

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



22.4320, 0.3370, 0.4495



22.4320, 0.1996, 0.2416



22.4320, 0.4073, 0.3036

Complementary

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



22.4320, 0.3370, 0.4495



10.7255, 0.2755, 0.2108

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.



22.4320, 0.3441, 0.2617



22.4320, 0.3370, 0.4495



22.4320, 0.2267, 0.2264

Square

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



22.4320, 0.3370, 0.4495



22.4320, 0.1982, 0.2828



22.4320, 0.2774, 0.2343



22.4320, 0.4426, 0.3531

Rectangle

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



22.4320, 0.3370, 0.4495



22.4320, 0.2376, 0.3705



22.4320, 0.2774, 0.2343



22.4320, 0.3882, 0.2885

Sweetspot

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



22.4330, 0.3370, 0.4495



43.9021, 0.3207, 0.3617



17.2871, 0.3978, 0.3870



10.0410, 0.3219, 0.3669



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.4330, 0.3370, 0.4495



38.4689, 0.3403, 0.4782



20.9422, 0.3056, 0.4593



5.7154, 0.3182, 0.3511



17.6903, 0.3342, 0.5728



0.1261, 0.3686, 0.5455

Inverse Universe

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



10.7255, 0.2755, 0.2108



15.0987, 0.2644, 0.1833



12.8903, 0.3191, 0.2260



5.0147, 0.3068, 0.3070



3.0064, 0.2114, 0.0938



0.0287, 0.2587, 0.1199

Previews

White Background



This preview shows how the Yxy color 22.4320, 0.3370, 0.4495 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 22.4320, 0.3370, 0.4495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

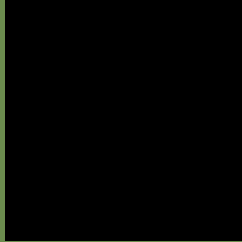
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4320, 0.3370, 0.4495

Background



This preview shows how black text looks on a background with the Yxy color 22.4320, 0.3370, 0.4495.



This preview shows how white text looks on a background with the Yxy color 22.4320, 0.3370, 0.4495.

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

22.4320, 0.3370, 0.4495

Protanopia

22.2993, 0.3910, 0.4244

Deuteranopia

22.1926, 0.4049, 0.3970



Tritanopia

22.5401, 0.2854, 0.3110

Trichromacy



Original Color

22.4320, 0.3370, 0.4495

Protanomaly

22.3040, 0.3706, 0.4351

Deuteranomaly

22.0483, 0.3785, 0.4149

Tritanomaly

22.4509, 0.3047, 0.3610

Monochromacy



Original Color

22.4320, 0.3370, 0.4495

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.5440, 0.3225, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4320, 0.3370, 0.4495 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(107, 140, 78)` looks like.

```
.text, #text, p{  
    color:rgb(107, 140, 78)  
}
```

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(107, 140, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 140, 78) }
```

Border

The CSS property to change the border of an element to Yxy 22.4320, 0.3370, 0.4495 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(107, 140, 78) }
```

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

```
.border{ border-color:rgb(107, 140, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 140, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 140, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 140, 78);  
box-shadow:4px 4px 4px 4px rgb(107, 140,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4320, 0.3370, 0.4495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 140, 78) }
```

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

```
.background{ background-color: rgb(107,  
140, 78) }
```

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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