

Converting Colors

$Y_{xy}(24.8284, 0.3492, 0.4418)$

Have a look what the booklet for
Yxy(24.8284, 0.3492, 0.4418)
contains.

Yxy(24.6933, 0.3490, 0.4415)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6933, 0.3490, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	7A9052
RGB	122, 144, 82
RGB Percent	48%, 56%, 32%
CMY	0.5216, 0.4353, 0.6785
CMYK	0.15, 0.00, 0.43, 0.44
HSL	81°, 27%, 44%
HSV	81°, 43%, 56%
XYZ	19.5197, 24.6933, 11.7174
YIQ	130.3540, 6.7900, -23.9460

Conversions

Conversions Part 2

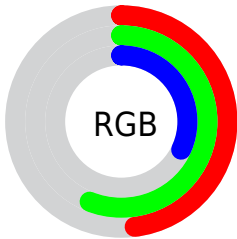
Format	Color
R_{YB}	82, 144, 104
Decimal	8032338
CIE _{Lab}	56.78, -18.69, 30.34
CIE _{LCh}	57, 35.639, 121.633
Yxy	24.6933, 0.3490, 0.4415
Android (android.graphics.Color)	4286222418 (0xFF7A9052)
YUV	130.3540, -23.8385, -7.3265
Hunter-Lab	49.6924, -16.8448, 20.8041

Details

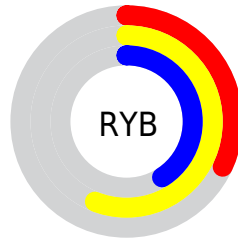
The Yxy color **24.6933, 0.3490, 0.4415** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.9908, 0.2619, 0.2092**, and the grayscale version is **22.5384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1681, 0.3426, 0.4170**, and **9.5045, 0.3571, 0.4864** is the 20% darker color. If you saturate the color by 10%, you get **24.1341, 0.3554, 0.4681**, and if you desaturate by 10%, it is **25.3203, 0.3414, 0.4141**.

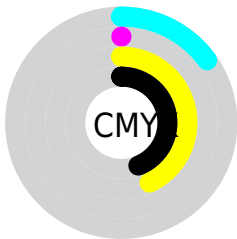
Distribution



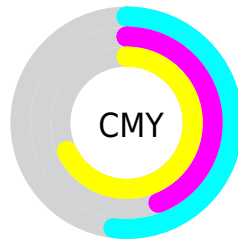
- Red (48%)
- Green (56%)
- Blue (32%)



- Red (32%)
- Yellow (56%)
- Blue (41%)



- Cyan (15%)
- Magenta (0%)
- Yellow (43%)
- Black (44%)



- Cyan (52%)
- Magenta (44%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6933, 0.3490, 0.4415 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 24.6933, 0.3490, 0.4415 by changing the saturation by 10% instead.


 24.6933, 0.3490,
0.4415

 24.6933, 0.3490,
0.4415


276.3071, 0.3309,
0.3775


 15.8487, 0.3529,
0.4603


 51.1592, 0.3427,
0.4162


 9.4172, 0.3572,
0.4861


 69.5493, 0.3402,
0.4073


 5.0143, 0.3608,
0.5231

 91.8901, 0.3381,
0.4001

 2.2556, 0.3831,
0.6169

 118.5659, 0.3362,
0.3940

 0.7501, 0.2549,
0.7451

 149.9611, 0.3346,
0.3889

 0.0000, 0.0000,
0.0000

186.4601, 0.3332,

0.3846

228.4473, 0.3320,
0.3808

■ 24.6933, 0.3490,
0.4415

■ 24.6933, 0.3490,
0.4415

■ 24.1341, 0.3554,
0.4681

■ 25.3203, 0.3414,
0.4141

■ 23.6364, 0.3602,
0.4929

■ 26.0148, 0.3330,
0.3870

■ 23.1975, 0.3629,
0.5147


■ 26.7807, 0.3242,
0.3609


■ 22.8136, 0.3633,
0.5324

■ 27.6205, 0.3154,
0.3362


■ 22.4799, 0.3614,
0.5454

■ 28.5366, 0.3068,
0.3133

 22.2690, 0.3594,
0.5529

 29.5314, 0.2985,
0.2923

 30.6070, 0.2906,
0.2732

 31.7655, 0.2832,
0.2559

 33.0090, 0.2763,
0.2403

Harmonies

Analogous

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



24.6933, 0.4021, 0.4272



24.6933, 0.3490, 0.4415



24.6933, 0.2890, 0.4171

Triad

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



24.6933, 0.3490, 0.4415



24.6933, 0.2047, 0.2544



24.6933, 0.3889, 0.2963

Complementary

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



24.6933, 0.3490, 0.4415



10.9908, 0.2619, 0.2092

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.



24.6933, 0.3280, 0.2593



24.6933, 0.3490, 0.4415



24.6933, 0.2251, 0.2345

Square

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



24.6933, 0.3490, 0.4415



24.6933, 0.2090, 0.2983



24.6933, 0.2682, 0.2372



24.6933, 0.4287, 0.3419

Rectangle

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



24.6933, 0.3490, 0.4415



24.6933, 0.2533, 0.3811



24.6933, 0.2682, 0.2372



24.6933, 0.3698, 0.2827

Sweetspot

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



24.6944, 0.3490, 0.4415



47.2003, 0.3244, 0.3614



16.3786, 0.4031, 0.3679



10.7593, 0.3262, 0.3666



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.6944, 0.3490, 0.4415



42.5613, 0.3554, 0.4681



22.7973, 0.3156, 0.4543



6.1909, 0.3208, 0.3511



19.4031, 0.3597, 0.5526



0.1979, 0.3879, 0.5302

Inverse Universe

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



10.9908, 0.2619, 0.2092



15.0203, 0.2467, 0.1786



13.1733, 0.3042, 0.2227



5.3424, 0.3042, 0.3066



2.3820, 0.1800, 0.0765



0.0343, 0.2283, 0.1031

Previews

White Background



This preview shows how the Yxy color 24.6933, 0.3490, 0.4415 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 24.6933, 0.3490, 0.4415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

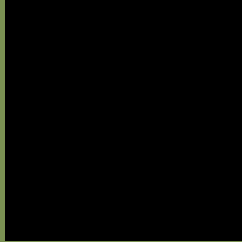
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6933, 0.3490, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 24.6933, 0.3490, 0.4415.



This preview shows how white text looks on a background with the Yxy color 24.6933, 0.3490, 0.4415.

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

24.6933, 0.3490, 0.4415

Protanopia

24.5624, 0.3890, 0.4226

Deuteranopia

24.5137, 0.4057, 0.3989



Tritanopia

24.5402, 0.2963, 0.3103

Trichromacy



Original Color

24.6933, 0.3490, 0.4415

Protanomaly

24.5334, 0.3738, 0.4299

Deuteranomaly

24.3576, 0.3846, 0.4135

Tritanomaly

24.4845, 0.3169, 0.3574

Monochromacy



Original Color

24.6933, 0.3490, 0.4415

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.0322, 0.3268, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6933, 0.3490, 0.4415 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(122, 144, 82)` looks like.

```
.text, #text, p{  
    color:rgb(122, 144, 82)  
}
```

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(122, 144, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 144, 82) }
```

Border

The CSS property to change the border of an element to Yxy 24.6933, 0.3490, 0.4415 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(122, 144, 82) }
```

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

```
.border{ border-color:rgb(122, 144, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 144, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 144, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 144, 82);  
box-shadow:4px 4px 4px 4px rgb(122, 144,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6933, 0.3490, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 144, 82) }
```

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

```
.background{ background-color: rgb(122,  
144, 82) }
```

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