

Converting Colors

$Y_{xy}(22.5742, 0.3940, 0.4061)$

Have a look what the booklet for
Yxy(22.5742, 0.3940, 0.4061)
contains.

Yxy(22.6268, 0.3942, 0.4053)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6268, 0.3942, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	978052
RGB	151, 128, 82
RGB Percent	59%, 50%, 32%
CMY	0.4078, 0.4980, 0.6784
CMYK	0.00, 0.15, 0.46, 0.41
HSL	40°, 30%, 46%
HSV	40°, 46%, 59%
XYZ	22.0071, 22.6268, 11.1934
YIQ	129.6330, 28.4740, -9.4300

Conversions

Conversions Part 2

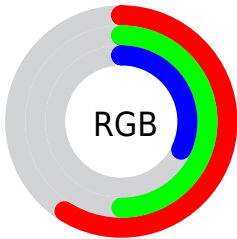
Format	Color
R_{YB}	117, 151, 82
Decimal	9928786
CIE _{Lab}	54.69, 2.35, 28.18
CIE _{LCh}	55, 28.279, 85.237
Yxy	22.6268, 0.3942, 0.4053
Android (android.graphics.Color)	4288118866 (0xFF978052)
YUV	129.6330, -23.4831, 18.7389
Hunter-Lab	47.5676, -0.6605, 19.3455

Details

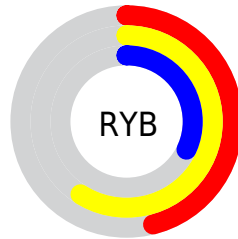
The Yxy color **22.6268, 0.3942, 0.4053** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.1396, 0.2372, 0.2375**, and the grayscale version is **22.2651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9791, 0.3773, 0.3899**, and **8.3160, 0.4221, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **21.1409, 0.4148, 0.4205**, and if you desaturate by 10%, it is **24.2307, 0.3741, 0.3887**.

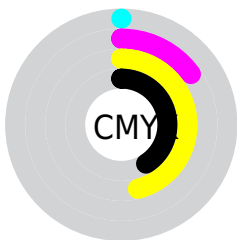
Distribution



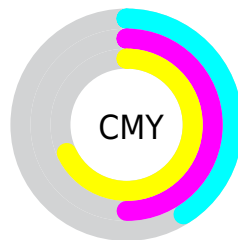
- Red (59%)
- Green (50%)
- Blue (32%)



- Red (46%)
- Yellow (59%)
- Blue (32%)



- Cyan (0%)
- Magenta (15%)
- Yellow (46%)
- Black (41%)





- Cyan (41%)
- Magenta (50%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6268, 0.3942, 0.4053 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 22.6268, 0.3942, 0.4053 by changing the saturation by 10% instead.


 22.6268, 0.3942,
0.4053


 22.6268, 0.3942,
0.4053


265.8023, 0.3492,
0.3637

 14.3182, 0.4066,
0.4165


 47.7798, 0.3769,
0.3895


 8.3423, 0.4230,
0.4310


 65.3930, 0.3707,
0.3837


 4.3147, 0.4451,
0.4500

 86.8765, 0.3655,
0.3790

 1.8511, 0.5005,
0.4995

 112.6146, 0.3612,
0.3749

 0.5188, 0.5148,
0.4852

 142.9919, 0.3576,
0.3715

 0.0000, 0.0000,
0.0000

178.3927, 0.3544,

0.3686

219.2014, 0.3516,
0.3660

■ 22.6268, 0.3942,
0.4053

■ 22.6268, 0.3942,
0.4053

■ 21.1409, 0.4148,
0.4205

■ 24.2307, 0.3741,
0.3887

■ 19.7655, 0.4352,
0.4333

■ 25.9534, 0.3551,
0.3716

■ 18.4970, 0.4544,
0.4427

■ 27.7996, 0.3374,
0.3545

■ 17.3300, 0.4716,
0.4477

■ 29.7728, 0.3212,
0.3380

■ 16.2575, 0.4859,
0.4480

■ 31.8764, 0.3066,
0.3224

■ 15.8178, 0.4919,
0.4476

■ 34.1135, 0.2935,
0.3077

■ 36.4871, 0.2818,
0.2941

■ 39.0002, 0.2713,
0.2815

■ 41.6555, 0.2620,
0.2700

Harmonies

Analogous

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



22.6268, 0.4129, 0.3722



22.6268, 0.3942, 0.4053



22.6268, 0.3539, 0.4203

Triad

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



22.6268, 0.3942, 0.4053



22.6268, 0.2301, 0.3149



22.6268, 0.3147, 0.2656

Complementary

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



22.6268, 0.3942, 0.4053



14.1396, 0.2372, 0.2375

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.



22.6268, 0.2672, 0.2502



22.6268, 0.3942, 0.4053



22.6268, 0.2215, 0.2743

Square

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



22.6268, 0.3942, 0.4053



22.6268, 0.2595, 0.3653



22.6268, 0.2345, 0.2525



22.6268, 0.3653, 0.2948

Rectangle

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



22.6268, 0.3942, 0.4053



22.6268, 0.3211, 0.4146



22.6268, 0.2345, 0.2525



22.6268, 0.2978, 0.2587

Sweetspot

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



22.6279, 0.3942, 0.4053



50.2591, 0.3350, 0.3521



13.6620, 0.3880, 0.2882



11.2673, 0.3384, 0.3555



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.6279, 0.3942, 0.4053



37.7476, 0.4157, 0.4211



28.3807, 0.3668, 0.4426



6.8755, 0.3268, 0.3438



13.5076, 0.4914, 0.4481



0.2681, 0.4537, 0.4779

Inverse Universe

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



14.1396, 0.2372, 0.2375



20.6051, 0.2193, 0.2120



10.5663, 0.2406, 0.1947



6.3463, 0.2988, 0.3138



3.9168, 0.1644, 0.1118



0.1207, 0.1868, 0.1924

Previews

White Background



This preview shows how the Yxy color 22.6268, 0.3942, 0.4053 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 22.6268, 0.3942, 0.4053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

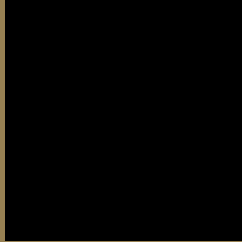
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6268, 0.3942, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 22.6268, 0.3942, 0.4053.



This preview shows how white text looks on a background with the Yxy color 22.6268, 0.3942, 0.4053.

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

22.6268, 0.3942, 0.4053

Protanopia

22.6968, 0.3808, 0.4115

Deuteranopia

22.5609, 0.4043, 0.3966



Tritanopia

22.6257, 0.3443, 0.3146

Trichromacy



Original Color

22.6268, 0.3942, 0.4053

Protanomaly

22.7008, 0.3853, 0.4088

Deuteranomaly

22.5148, 0.3997, 0.3992

Tritanomaly

22.4776, 0.3634, 0.3473

Monochromacy



Original Color

22.6268, 0.3942, 0.4053

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.2960, 0.3415, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6268, 0.3942, 0.4053 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(151, 128, 82)` looks like.

```
.text, #text, p{  
    color:rgb(151, 128, 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(151, 128, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 128, 82) }
```

Border

The CSS property to change the border of an element to Yxy 22.6268, 0.3942, 0.4053 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(151, 128, 82) }
```

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

```
.border{ border-color:rgb(151, 128, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 128, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 128, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 128, 82);  
box-shadow:4px 4px 4px 4px rgb(151, 128,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6268, 0.3942, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 128, 82) }
```

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

```
.background{ background-color: rgb(151,  
128, 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