

Converting Colors

$Y_{xy}(29.2481, 0.3842, 0.4474)$

Have a look what the booklet for
Yxy(29.2481, 0.3842, 0.4474)
contains.

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Color

Yxy(29.2205, 0.3844, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	97974B
RGB	151, 151, 75
RGB Percent	59%, 59%, 29%
CMY	0.4078, 0.4078, 0.7058
CMYK	0.00, 0.00, 0.50, 0.41
HSL	60°, 34%, 44%
HSV	60°, 50%, 59%
XYZ	25.1002, 29.2205, 10.9765
YIQ	142.3360, 24.3960, -23.6360

Conversions

Conversions Part 2

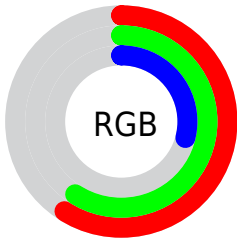
Format	Color
R_{YB}	75, 151, 75
Decimal	9934667
CIE _{Lab}	60.98, -11.01, 39.64
CIE _{LCh}	61, 41.135, 105.518
Yxy	29.2205, 0.3844, 0.4475
Android (android.graphics.Color)	4288124747 (0xFF97974B)
YUV	142.3360, -33.1966, 7.5983
Hunter-Lab	54.0560, -11.7137, 25.7999

Details

The Yxy color **29.2205, 0.3844, 0.4475** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.7660, 0.2194, 0.1747**, and the grayscale version is **27.3187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4344, 0.3717, 0.4232**, and **11.7856, 0.4024, 0.4849** is the 20% darker color. If you saturate the color by 10%, you get **29.0388, 0.3959, 0.4665**, and if you desaturate by 10%, it is **29.4540, 0.3713, 0.4258**.

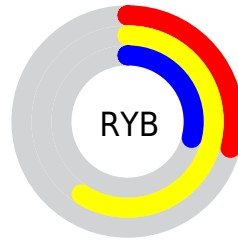
Distribution



Red (59%)

Green (59%)

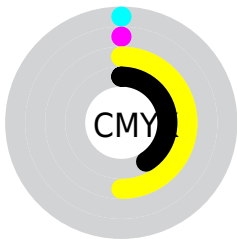
Blue (29%)



Red (29%)

Yellow (59%)

Blue (29%)

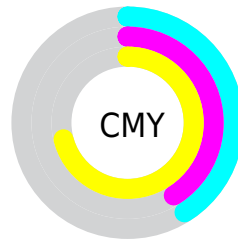


Cyan (0%)

Magenta (0%)

Yellow (50%)

Black (41%)



Cyan (41%)


Magenta (41%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2205, 0.3844, 0.4475 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 29.2205, 0.3844, 0.4475 by changing the saturation by 10% instead.


 29.2205, 0.3844,
0.4475


 29.2205, 0.3844,
0.4475


298.2539, 0.3483,
0.3838

 19.2477, 0.3926,
0.4642


 58.4272, 0.3716,
0.4236


 11.8494, 0.4022,
0.4856


 78.4299, 0.3667,
0.4148


 6.6412, 0.4125,
0.5132


 102.5448, 0.3624,
0.4074

 3.2387, 0.4340,
0.5660

 131.1560, 0.3588,
0.4012

 1.2576, 0.4136,
0.5864

 164.6482, 0.3557,
0.3959

 0.1080, 0.0000,
1.0000

203.4056, 0.3529,

 0.0000, 0.0000,

0.3913

0.0000

247.8127, 0.3505,
0.3873

■ 29.2205, 0.3844,
0.4475

■ 29.2205, 0.3844,
0.4475

■ 29.0388, 0.3959,
0.4665

■ 29.4540, 0.3713,
0.4258

■ 28.9012, 0.4053,
0.4820

■ 29.7385, 0.3571,
0.4024

■ 28.8052, 0.4122,
0.4935

■ 30.0781, 0.3424,
0.3781

■ 28.7461, 0.4167,
0.5009

■ 30.4756, 0.3276,
0.3536

■ 28.7125, 0.4193,
0.5052

■ 30.9335, 0.3132,
0.3298

■ 31.4542, 0.2994,
0.3069

■ 32.0399, 0.2864,
0.2855

■ 32.6927, 0.2743,
0.2655

■ 33.4148, 0.2633,
0.2473

Harmonies

Analogous

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



29.2205, 0.4313, 0.4141



29.2205, 0.3844, 0.4475



29.2205, 0.3211, 0.4460

Triad

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



29.2205, 0.3844, 0.4475



29.2205, 0.1953, 0.2698



29.2205, 0.3612, 0.2704

Complementary

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



29.2205, 0.3844, 0.4475



8.7660, 0.2194, 0.1747

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.



29.2205, 0.2926, 0.2387



29.2205, 0.3844, 0.4475



29.2205, 0.2031, 0.2349

Square

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



29.2205, 0.3844, 0.4475



29.2205, 0.2140, 0.3298



29.2205, 0.2365, 0.2256



29.2205, 0.4202, 0.3151

Rectangle

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



29.2205, 0.3844, 0.4475



29.2205, 0.2783, 0.4194



29.2205, 0.2365, 0.2256



29.2205, 0.3381, 0.2581

Sweetspot

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



29.2218, 0.3844, 0.4475



54.2063, 0.3349, 0.3658



12.1400, 0.4474, 0.3273



12.2895, 0.3378, 0.3705



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.



29.2218, 0.3844, 0.4475



51.9761, 0.3968, 0.4680



26.2392, 0.3433, 0.4664



7.2229, 0.3260, 0.3510



24.4247, 0.4193, 0.5052



0.3652, 0.4193, 0.5053

Inverse Universe

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



8.7660, 0.2194, 0.1747



11.1707, 0.1973, 0.1381



10.6970, 0.2634, 0.1910



6.0264, 0.2988, 0.3060



1.9010, 0.1500, 0.0600



0.0284, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 29.2205, 0.3844, 0.4475 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 29.2205, 0.3844, 0.4475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

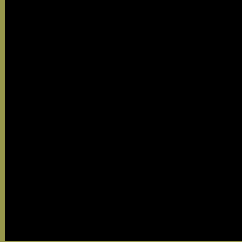
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2205, 0.3844, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 29.2205, 0.3844, 0.4475.



This preview shows how white text looks on a background with the Yxy color 29.2205, 0.3844, 0.4475.

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

29.2205, 0.3844, 0.4475

Protanopia

29.1484, 0.4019, 0.4376

Deuteranopia

29.0095, 0.4235, 0.4154



Tritanopia

29.0500, 0.3189, 0.3108

Trichromacy



Original Color

29.2205, 0.3844, 0.4475

Protanomaly

29.0451, 0.3966, 0.4409

Deuteranomaly

28.9174, 0.4086, 0.4269

Tritanomaly

28.7994, 0.3449, 0.3607

Monochromacy



Original Color

29.2205, 0.3844, 0.4475

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.5785, 0.3398, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2205, 0.3844, 0.4475 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, 151, 75)` looks like.

```
.text, #text, p{  
    color:rgb(151, 151, 75)  
}
```

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, 151, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 151, 75) }
```

Border

The CSS property to change the border of an element to Yxy 29.2205, 0.3844, 0.4475 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, 151, 75) }
```

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

```
.border{ border-color:rgb(151, 151, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 151, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 151, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 151, 75);  
box-shadow:4px 4px 4px 4px rgb(151, 151,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2205, 0.3844, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 151, 75) }
```

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

```
.background{ background-color: rgb(151,  
151, 75) }
```

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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