

Converting Colors

$Y_{xy}(24.9320, 0.3642, 0.4307)$

Have a look what the booklet for
Yxy(24.9320, 0.3642, 0.4307)
contains.

Yxy(24.8252, 0.3649, 0.4297)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8252, 0.3649, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	878D53
RGB	135, 141, 83
RGB Percent	53%, 55%, 33%
CMY	0.4705, 0.4471, 0.6745
CMYK	0.04, 0.00, 0.41, 0.45
HSL	66°, 26%, 44%
HSV	66°, 41%, 55%
XYZ	21.0815, 24.8252, 11.8666
YIQ	132.5940, 15.0420, -19.3100

Conversions

Conversions Part 2

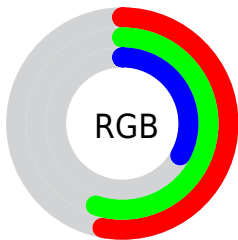
Format	Color
R_{YB}	83, 141, 89
Decimal	8883539
CIE _{Lab}	56.90, -11.58, 30.16
CIE _{LCh}	57, 32.312, 111.006
Yxy	24.8252, 0.3649, 0.4297
Android (android.graphics.Color)	4287073619 (0xFF878D53)
YUV	132.5940, -24.4498, 2.1101
Hunter-Lab	49.8249, -11.6682, 20.7565

Details

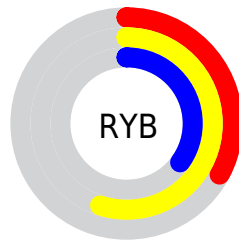
The Yxy color $24.8252, 0.3649, 0.4297$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $10.2345, 0.2463, 0.2097$, and the grayscale version is $23.3889, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.5425, 0.3549, 0.4089$, and $9.4944, 0.3800, 0.4676$ is the 20% darker color. If you saturate the color by 10%, you get $24.5106, 0.3760, 0.4527$, and if you desaturate by 10%, it is $25.1880, 0.3527, 0.4053$.

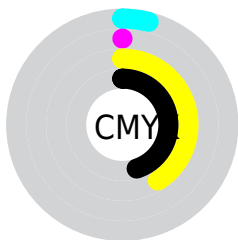
Distribution



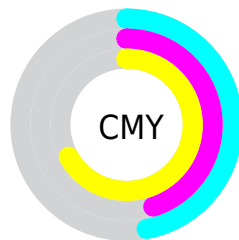
- Red (53%)
- Green (55%)
- Blue (33%)



- Red (33%)
- Yellow (55%)
- Blue (35%)



- Cyan (4%)
- Magenta (0%)
- Yellow (41%)
- Black (45%)




- Cyan (47%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8252, 0.3649, 0.4297 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 24.8252, 0.3649, 0.4297 by changing the saturation by 10% instead.


 24.8252, 0.3649,
0.4297


 24.8252, 0.3649,
0.4297


276.9663, 0.3376,
0.3733


 15.9469, 0.3717,
0.4458


 51.3735, 0.3549,
0.4077

 9.4866, 0.3800,
0.4674


 69.8123, 0.3511,
0.3999


 5.0599, 0.3897,
0.4978

 92.2066, 0.3479,
0.3935

 2.2824, 0.4240,
0.5760

 118.9410, 0.3452,
0.3881

 0.7644, 0.3673,
0.6327

 150.3998, 0.3429,
0.3836

 0.0000, 0.0000,
0.0000

186.9673, 0.3409,

0.3797

229.0280, 0.3391,
0.3763

■ 24.8252, 0.3649,
0.4297

■ 24.8252, 0.3649,
0.4297

■ 24.5106, 0.3760,
0.4527

■ 25.1880, 0.3527,
0.4053

■ 24.2381, 0.3855,
0.4733

■ 25.5981, 0.3398,
0.3803

■ 24.0058, 0.3930,
0.4906

■ 26.0589, 0.3269,
0.3556

■ 23.8103, 0.3981,
0.5041

■ 26.5726, 0.3141,
0.3316

■ 23.6477, 0.4008,
0.5134

■ 27.1412, 0.3018,
0.3089

■ 23.5208, 0.4017,
0.5192

■ 27.7666, 0.2902,
0.2877

■ 28.4506, 0.2794,
0.2681

■ 29.1949, 0.2693,
0.2501

■ 30.0013, 0.2601,
0.2338

Harmonies

Analogous

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



24.8252, 0.4071, 0.4083



24.8252, 0.3649, 0.4297



24.8252, 0.3108, 0.4199

Triad

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



24.8252, 0.3649, 0.4297



24.8252, 0.2126, 0.2734



24.8252, 0.3634, 0.2860

Complementary

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



24.8252, 0.3649, 0.4297



10.2345, 0.2463, 0.2097

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.



24.8252, 0.3066, 0.2561



24.8252, 0.3649, 0.4297



24.8252, 0.2234, 0.2468

Square

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



24.8252, 0.3649, 0.4297



24.8252, 0.2250, 0.3205



24.8252, 0.2562, 0.2418



24.8252, 0.4081, 0.3262

Rectangle

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



24.8252, 0.3649, 0.4297



24.8252, 0.2756, 0.3942



24.8252, 0.2562, 0.2418



24.8252, 0.3448, 0.2746

Sweetspot

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



24.8263, 0.3649, 0.4297



46.5723, 0.3283, 0.3583



13.4005, 0.4084, 0.3399



10.3811, 0.3298, 0.3610



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.



24.8263, 0.3649, 0.4297



43.9544, 0.3749, 0.4503



22.7500, 0.3313, 0.4419



6.2576, 0.3244, 0.3509



21.4520, 0.4018, 0.5192



0.2104, 0.4110, 0.5118

Inverse Universe

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



10.2345, 0.2463, 0.2097



14.2622, 0.2289, 0.1797



11.9493, 0.2842, 0.2213



5.2799, 0.3005, 0.3064



1.8462, 0.1547, 0.0626



0.0218, 0.1756, 0.0741

Previews

White Background



This preview shows how the Yxy color 24.8252, 0.3649, 0.4297 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 24.8252, 0.3649, 0.4297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

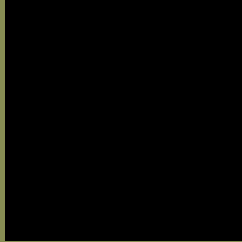
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8252, 0.3649, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 24.8252, 0.3649, 0.4297.



This preview shows how white text looks on a background with the Yxy color 24.8252, 0.3649, 0.4297.

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

24.8252, 0.3649, 0.4297

Protanopia

24.5920, 0.3870, 0.4196

Deuteranopia

24.6205, 0.4069, 0.3985



Tritanopia

24.8146, 0.3113, 0.3125

Trichromacy



Original Color

24.8252, 0.3649, 0.4297

Protanomaly

24.7154, 0.3785, 0.4231

Deuteranomaly

24.5603, 0.3915, 0.4100

Tritanomaly

24.7854, 0.3307, 0.3547

Monochromacy



Original Color

24.8252, 0.3649, 0.4297

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.9145, 0.3326, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8252, 0.3649, 0.4297 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(135, 141, 83)` looks like.

```
.text, #text, p{  
    color:rgb(135, 141, 83)  
}
```

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(135, 141, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 141, 83) }
```

Border

The CSS property to change the border of an element to Yxy 24.8252, 0.3649, 0.4297 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(135, 141, 83) }
```

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

```
.border{ border-color:rgb(135, 141, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 141, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 141, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 141, 83);  
box-shadow:4px 4px 4px 4px rgb(135, 141,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8252, 0.3649, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 141, 83) }
```

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

```
.background{ background-color: rgb(135,  
141, 83) }
```

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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