

Converting Colors

$Y_{xy}(24.8959, 0.3577, 0.4120)$

Have a look what the booklet for
Yxy(24.8959, 0.3577, 0.4120)
contains.

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Color

Yxy(24.8648, 0.3579, 0.4107)

Conversions

Conversions Part 1

Format	Color
Hex	898C5D
RGB	137, 140, 93
RGB Percent	54%, 55%, 36%
CMY	0.4628, 0.4509, 0.6354
CMYK	0.02, 0.00, 0.34, 0.45
HSL	64°, 20%, 46%
HSV	64°, 34%, 55%
XYZ	21.6682, 24.8648, 14.0095
YIQ	133.7450, 13.2990, -15.2530

Conversions

Conversions Part 2

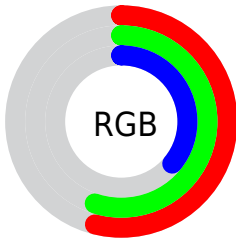
Format	Color
R_{YB}	93, 140, 96
Decimal	9014365
CIE Lab	56.94, -8.97, 24.80
CIE LCh	57, 26.368, 109.883
Yxy	24.8648, 0.3579, 0.4107
Android (android.graphics.Color)	4287204445 (0xFF898C5D)
YUV	133.7450, -20.0873, 2.8546
Hunter-Lab	49.8646, -9.6977, 18.2476

Details

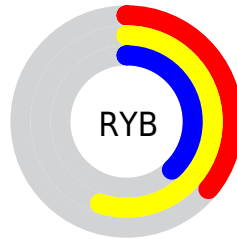
The Yxy color **24.8648, 0.3579, 0.4107** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.2070, 0.2584, 0.2341**, and the grayscale version is **23.8125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2299, 0.3488, 0.3920**, and **9.4880, 0.3720, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **24.5644, 0.3706, 0.4344**, and if you desaturate by 10%, it is **25.2135, 0.3445, 0.3861**.

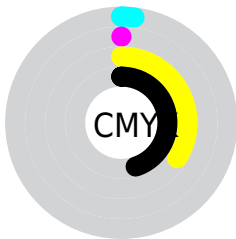
Distribution



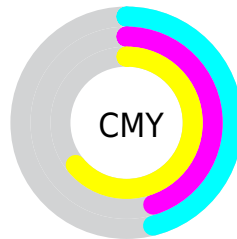
- Red (54%)
- Green (55%)
- Blue (36%)



- Red (36%)
- Yellow (55%)
- Blue (38%)



- Cyan (2%)
- Magenta (0%)
- Yellow (34%)
- Black (45%)





- Cyan (46%)
- Magenta (45%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8648, 0.3579, 0.4107 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 24.8648, 0.3579, 0.4107 by changing the saturation by 10% instead.


 24.8648, 0.3579,
0.4107


 24.8648, 0.3579,
0.4107


277.1640, 0.3338,
0.3650


 15.9764, 0.3642,
0.4239


 51.4378, 0.3489,
0.3928


 9.5074, 0.3723,
0.4418


 69.8912, 0.3455,
0.3865

 5.0736, 0.3828,
0.4675

 92.3016, 0.3428,
0.3813

 2.2905, 0.4078,
0.5218

 119.0535, 0.3404,
0.3770

 0.7687, 0.3996,
0.6004

150.5313, 0.3384,
0.3733

 0.0000, 0.0000,
0.0000

187.1194, 0.3367,

0.3701

229.2022, 0.3351,
0.3674

■ 24.8648, 0.3579,
0.4107

■ 24.8648, 0.3579,
0.4107

■ 24.5644, 0.3706,
0.4344

■ 25.2135, 0.3445,
0.3861

■ 24.3065, 0.3820,
0.4562

■ 25.6094, 0.3309,
0.3615

■ 24.0895, 0.3918,
0.4754

■ 26.0557, 0.3174,
0.3374

■ 23.9103, 0.3994,
0.4910

■ 26.5546, 0.3045,
0.3144

■ 23.7654, 0.4045,
0.5027

■ 27.1080, 0.2921,
0.2927

■ 23.6507, 0.4073,
0.5102

■ 27.7175, 0.2806,
0.2726

■ 23.5848, 0.4084,
0.5139

■ 28.3849, 0.2700,
0.2541

■ 29.1119, 0.2602,
0.2372

■ 29.9001, 0.2512,
0.2219

Harmonies

Analogous

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



24.8648, 0.3914, 0.3941



24.8648, 0.3579, 0.4107



24.8648, 0.3137, 0.4027

Triad

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



24.8648, 0.3579, 0.4107



24.8648, 0.2295, 0.2853



24.8648, 0.3526, 0.2924

Complementary

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



24.8648, 0.3579, 0.4107



12.2070, 0.2584, 0.2341

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.



24.8648, 0.3064, 0.2675



24.8648, 0.3579, 0.4107



24.8648, 0.2379, 0.2617

Square

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



24.8648, 0.3579, 0.4107



24.8648, 0.2411, 0.3245



24.8648, 0.2650, 0.2563



24.8648, 0.3893, 0.3262

Rectangle

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



24.8648, 0.3579, 0.4107



24.8648, 0.2844, 0.3827



24.8648, 0.2650, 0.2563



24.8648, 0.3375, 0.2829

Sweetspot

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



24.8659, 0.3579, 0.4107



45.4001, 0.3263, 0.3533



14.6114, 0.3861, 0.3335



10.4394, 0.3280, 0.3563



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.



24.8659, 0.3579, 0.4107



43.4406, 0.3672, 0.4280



23.1359, 0.3311, 0.4184



5.8289, 0.3249, 0.3507



20.9567, 0.4084, 0.5139



0.1415, 0.4142, 0.5093

Inverse Universe

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



12.2070, 0.2584, 0.2341



17.7263, 0.2443, 0.2100



13.6310, 0.2876, 0.2414



4.9066, 0.3000, 0.3065



1.7374, 0.1529, 0.0616



0.0133, 0.1663, 0.0690

Previews

White Background



This preview shows how the Yxy color 24.8648, 0.3579, 0.4107 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 24.8648, 0.3579, 0.4107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

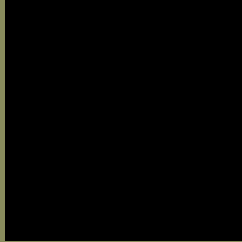
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8648, 0.3579, 0.4107

Background



This preview shows how black text looks on a background with the Yxy color 24.8648, 0.3579, 0.4107.



This preview shows how white text looks on a background with the Yxy color 24.8648, 0.3579, 0.4107.

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

24.8648, 0.3579, 0.4107

Protanopia

24.9599, 0.3738, 0.4040

Deuteranopia

24.8454, 0.3925, 0.3857



Tritanopia

24.9035, 0.3124, 0.3126

Trichromacy



Original Color

24.8648, 0.3579, 0.4107

Protanomaly

24.8790, 0.3684, 0.4069

Deuteranomaly

24.7284, 0.3807, 0.3944

Tritanomaly

24.7517, 0.3300, 0.3477

Monochromacy



Original Color

24.8648, 0.3579, 0.4107

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.0911, 0.3295, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8648, 0.3579, 0.4107 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(137, 140, 93)` looks like.

```
.text, #text, p{  
    color:rgb(137, 140, 93)  
}
```

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(137, 140, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 140, 93) }
```

Border

The CSS property to change the border of an element to Yxy 24.8648, 0.3579, 0.4107 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(137, 140, 93) }
```

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

```
.border{ border-color:rgb(137, 140, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 140, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 140, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 140, 93);  
box-shadow:4px 4px 4px 4px rgb(137, 140,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8648, 0.3579, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 140, 93) }
```

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

```
.background{ background-color: rgb(137,  
140, 93) }
```

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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