

Converting Colors

$Y_{xy}(25.3258, 0.4201, 0.4524)$

Have a look what the booklet for
Yxy(25.3258, 0.4201, 0.4524)
contains.

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Color

$\text{Yxy}(25.3258, 0.4201, 0.4524)$

Conversions

Conversions Part 1

Format	Color
Hex	9D8936
RGB	157, 137, 54
RGB Percent	62%, 54%, 21%
CMY	0.3843, 0.4627, 0.7883
CMYK	0.00, 0.13, 0.66, 0.38
HSL	48°, 49%, 41%
HSV	48°, 66%, 62%
XYZ	23.5176, 25.3258, 7.1376
YIQ	133.5180, 38.5630, -21.5730

Conversions

Conversions Part 2

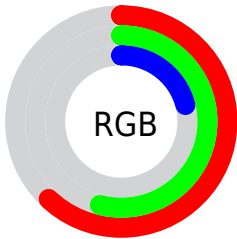
Format	Color
RYB	79, 157, 54
Decimal	10324278
CIELab	57.39, -2.44, 45.90
CIELCh	57, 45.960, 93.049
Yxy	25.3258, 0.4201, 0.4524
Android (android.graphics.Color)	4288514358 (0xFF9D8936)
YUV	133.5180, -39.2024, 20.5937
Hunter-Lab	50.3247, -4.6522, 26.8182

Details

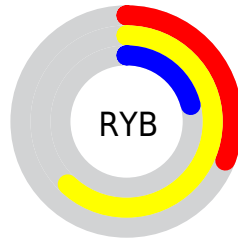
The Yxy color **25.3258, 0.4201, 0.4524** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.1166, 0.1968, 0.1588**, and the grayscale version is **23.7906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1430, 0.4001, 0.4285**, and **9.8630, 0.4459, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **24.3477, 0.4340, 0.4639**, and if you desaturate by 10%, it is **26.3785, 0.4043, 0.4373**.

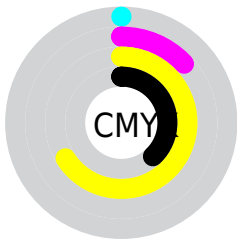
Distribution



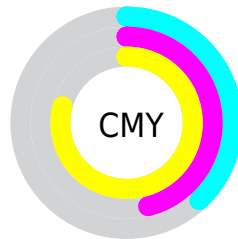
- Red (62%)
- Green (54%)
- Blue (21%)



- Red (31%)
- Yellow (62%)
- Blue (21%)



- Cyan (0%)
- Magenta (13%)
- Yellow (66%)
- Black (38%)





- Cyan (38%)
- Magenta (46%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3258, 0.4201, 0.4524 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 25.3258, 0.4201, 0.4524 by changing the saturation by 10% instead.


 25.3258, 0.4201,
0.4524


 25.3258, 0.4201,
0.4524


279.4566, 0.3647,
0.3877


 16.3200, 0.4328,
0.4678


 52.1853, 0.4003,
0.4290


 9.7508, 0.4473,
0.4860


 70.8077, 0.3927,
0.4200

 5.2341, 0.4731,
0.5177

 93.4044, 0.3862,
0.4125

 2.3852, 0.4745,
0.5255

 120.3599, 0.3807,
0.4061

 0.8183, 0.4674,
0.5326

 152.0584, 0.3758,
0.4005

 0.0000, 0.0000,
0.0000

 188.8844, 0.3716,

0.3957

231.2224, 0.3679,
0.3914

■ 25.3258, 0.4201,
0.4524

■ 25.3258, 0.4201,
0.4524

■ 24.3477, 0.4340,
0.4639

■ 26.3785, 0.4043,
0.4373

■ 23.4355, 0.4455,
0.4712

■ 27.5064, 0.3875,
0.4196

■ 22.5839, 0.4543,
0.4740

■ 28.7147, 0.3702,
0.4002

■ 22.2226, 0.4578,
0.4747

■ 30.0069, 0.3531,
0.3799

■ 31.3864, 0.3366,
0.3596

■ 32.8560, 0.3210,
0.3398

■ 34.4189, 0.3065,
0.3208

■ 36.0776, 0.2932,
0.3030

■ 37.8347, 0.2811,
0.2863

Harmonies

Analogous

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



25.3258, 0.4626, 0.4020



25.3258, 0.4201, 0.4524



25.3258, 0.3519, 0.4743

Triad

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



25.3258, 0.4201, 0.4524



25.3258, 0.1831, 0.2844



25.3258, 0.3349, 0.2445

Complementary

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



25.3258, 0.4201, 0.4524



8.1166, 0.1968, 0.1588

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.



25.3258, 0.2591, 0.2168



25.3258, 0.4201, 0.4524



25.3258, 0.1802, 0.2325

Square

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



25.3258, 0.4201, 0.4524



25.3258, 0.2162, 0.3640



25.3258, 0.2057, 0.2115



25.3258, 0.4132, 0.2895

Rectangle

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



25.3258, 0.4201, 0.4524



25.3258, 0.3016, 0.4595



25.3258, 0.2057, 0.2115



25.3258, 0.3080, 0.2331

Sweetspot

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



25.3270, 0.4201, 0.4524



55.0026, 0.3443, 0.3693



10.3093, 0.4778, 0.2988



11.9627, 0.3486, 0.3746



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.3270, 0.4201, 0.4524



42.7815, 0.4400, 0.4680



28.8276, 0.3674, 0.4962



7.5013, 0.3265, 0.3469



18.0976, 0.4575, 0.4750



0.3751, 0.4399, 0.4889

Inverse Universe

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



8.1166, 0.1968, 0.1588



9.7865, 0.1741, 0.1188



6.9988, 0.2193, 0.1377



6.6335, 0.2988, 0.3104



2.7952, 0.1560, 0.0815



0.0999, 0.1732, 0.1434

Previews

White Background



This preview shows how the Yxy color 25.3258, 0.4201, 0.4524 looks on a white background.

Color Contrast Check

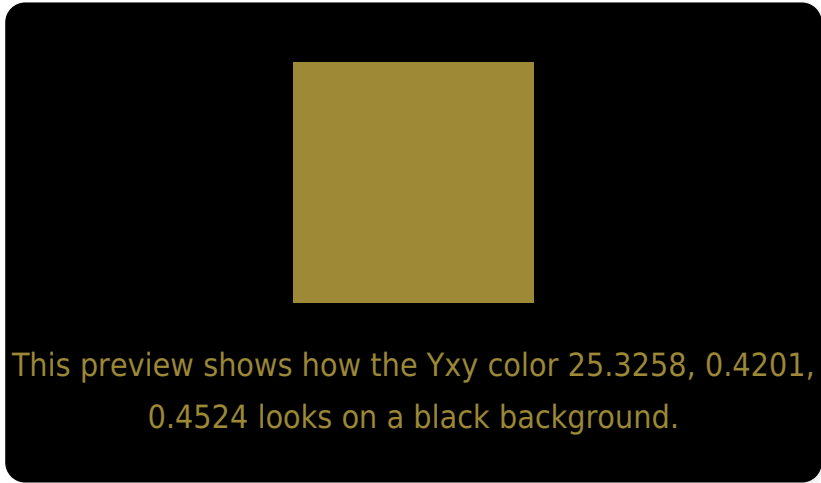
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

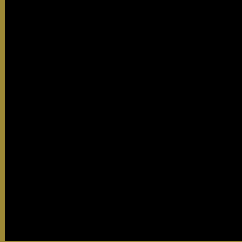
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3258, 0.4201, 0.4524

Background



This preview shows how black text looks on a background with the Yxy color 25.3258, 0.4201, 0.4524.



This preview shows how white text looks on a background with the Yxy color 25.3258, 0.4201, 0.4524.

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

25.3258, 0.4201, 0.4524

Protanopia

25.3133, 0.4155, 0.4557

Deuteranopia

25.1760, 0.4414, 0.4337



Tritanopia

25.1658, 0.3442, 0.3137

Trichromacy



Original Color

25.3258, 0.4201, 0.4524

Protanomaly

25.4119, 0.4167, 0.4550

Deuteranomaly

25.1579, 0.4342, 0.4404

Tritanomaly

24.8712, 0.3761, 0.3673

Monochromacy



Original Color

25.3258, 0.4201, 0.4524

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.0986, 0.3534, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3258, 0.4201, 0.4524 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(157, 137, 54)` looks like.

```
.text, #text, p{  
    color:rgb(157, 137, 54)  
}
```

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(157, 137, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 137, 54) }
```

Border

The CSS property to change the border of an element to Yxy 25.3258, 0.4201, 0.4524 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(157, 137, 54) }
```

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

```
.border{ border-color:rgb(157, 137, 54) }
```

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

Here you see how a box with a 4 pixel rgb(157, 137, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 137, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 137, 54);  
box-shadow:4px 4px 4px 4px rgb(157, 137,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3258, 0.4201, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 137, 54) }
```

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

```
.background{ background-color: rgb(157,  
137, 54) }
```

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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