

Converting Colors

$Y_{xy}(25.8435, 0.4148, 0.4529)$

Have a look what the booklet for
Yxy(25.8435, 0.4148, 0.4529)
contains.

Yxy(25.8286, 0.4146, 0.4522)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.8286, 0.4146, 0.4522)

Conversions

Conversions Part 1

Format	Color
Hex	9C8B39
RGB	156, 139, 57
RGB Percent	61%, 55%, 22%
CMY	0.3882, 0.4549, 0.7765
CMYK	0.00, 0.11, 0.63, 0.39
HSL	50°, 46%, 42%
HSV	50°, 63%, 61%
XYZ	23.6810, 25.8286, 7.6081
YIQ	134.7350, 36.4540, -21.8980

Conversions

Conversions Part 2

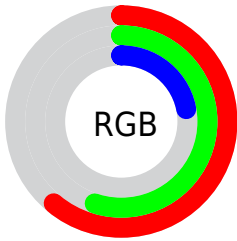
Format	Color
R_{YB}	78, 156, 57
Decimal	10259257
CIE _{Lab}	57.87, -3.80, 44.99
CIE _{LCh}	58, 45.153, 94.827
Yxy	25.8286, 0.4146, 0.4522
Android (android.graphics.Color)	4288449337 (0xFF9C8B39)
YUV	134.7350, -38.3234, 18.6494
Hunter-Lab	50.8218, -5.7643, 26.6995

Details

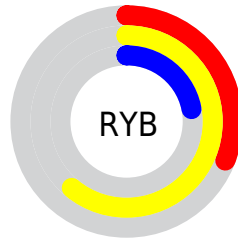
The Yxy color **25.8286, 0.4146, 0.4522** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.1666, 0.1995, 0.1608**, and the grayscale version is **24.2603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9281, 0.3959, 0.4277**, and **9.9717, 0.4417, 0.4863** is the 20% darker color. If you saturate the color by 10%, you get **24.9314, 0.4282, 0.4648**, and if you desaturate by 10%, it is **26.7951, 0.3992, 0.4362**.

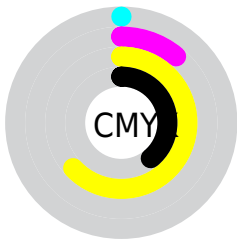
Distribution



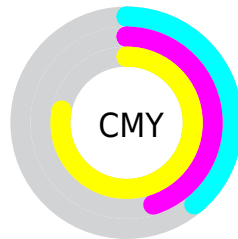
- Red (61%)
- Green (55%)
- Blue (22%)



- Red (31%)
- Yellow (61%)
- Blue (22%)



- Cyan (0%)
- Magenta (11%)
- Yellow (63%)
- Black (39%)





- Cyan (39%)
- Magenta (45%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8286, 0.4146, 0.4522 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 25.8286, 0.4146, 0.4522 by changing the saturation by 10% instead.


 25.8286, 0.4146,
0.4522


 25.8286, 0.4146,
0.4522


281.9397, 0.3622,
0.3872


 16.6955, 0.4266,
0.4680


 52.9983, 0.3959,
0.4285

 10.0176, 0.4404,
0.4869

 71.8037, 0.3887,
0.4195

 5.4106, 0.4624,
0.5171

 94.6019, 0.3826,
0.4120

 2.4901, 0.4676,
0.5324

 121.7773, 0.3773,
0.4055

 0.8717, 0.4577,
0.5423

 153.7145, 0.3727,
0.4000

 0.0000, 0.0000,
0.0000

 190.7976, 0.3688,

0.3952

233.4112, 0.3653,
0.3910

■ 25.8286, 0.4146,
0.4522

■ 25.8286, 0.4146,
0.4522

■ 24.9314, 0.4282,
0.4648

■ 26.7951, 0.3992,
0.4362

■ 24.0950, 0.4395,
0.4733

■ 27.8313, 0.3827,
0.4176

■ 23.3153, 0.4480,
0.4774

■ 28.9422, 0.3659,
0.3975

■ 22.8267, 0.4528,
0.4787

■ 30.1310, 0.3491,
0.3767

■ 31.4010, 0.3330,
0.3560

■ 32.7550, 0.3178,
0.3358

■ 34.1957, 0.3036,
0.3165

■ 35.7258, 0.2905,
0.2984

■ 37.3478, 0.2786,
0.2816

Harmonies

Analogous

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



25.8286, 0.4580, 0.4042



25.8286, 0.4146, 0.4522



25.8286, 0.3470, 0.4704

Triad

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



25.8286, 0.4146, 0.4522



25.8286, 0.1848, 0.2818



25.8286, 0.3392, 0.2485

Complementary

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



25.8286, 0.4146, 0.4522



8.1666, 0.1995, 0.1608

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.



25.8286, 0.2642, 0.2201



25.8286, 0.4146, 0.4522



25.8286, 0.1835, 0.2327

Square

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



25.8286, 0.4146, 0.4522



25.8286, 0.2156, 0.3583



25.8286, 0.2103, 0.2135



25.8286, 0.4147, 0.2935

Rectangle

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



25.8286, 0.4146, 0.4522



25.8286, 0.2978, 0.4534



25.8286, 0.2103, 0.2135



25.8286, 0.3128, 0.2368

Sweetspot

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



25.8298, 0.4146, 0.4522



55.6532, 0.3425, 0.3682



10.5040, 0.4727, 0.3019



12.1130, 0.3468, 0.3738



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.



25.8298, 0.4146, 0.4522



44.6573, 0.4331, 0.4688



28.4047, 0.3646, 0.4924



7.5265, 0.3265, 0.3474



18.8472, 0.4525, 0.4789



0.3837, 0.4373, 0.4910

Inverse Universe

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



8.1666, 0.1995, 0.1608



10.1214, 0.1770, 0.1217



7.4184, 0.2250, 0.1448



6.6102, 0.2988, 0.3099



2.6516, 0.1550, 0.0778



0.0924, 0.1708, 0.1350

Previews

White Background



This preview shows how the Yxy color 25.8286, 0.4146, 0.4522 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 25.8286, 0.4146, 0.4522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

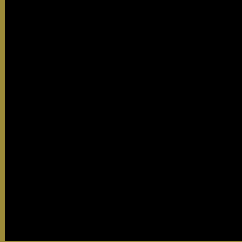
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8286, 0.4146, 0.4522

Background



This preview shows how black text looks on a background with the Yxy color 25.8286, 0.4146, 0.4522.



This preview shows how white text looks on a background with the Yxy color 25.8286, 0.4146, 0.4522.

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

25.8286, 0.4146, 0.4522

Protanopia

25.7292, 0.4134, 0.4528

Deuteranopia

25.7025, 0.4402, 0.4306



Tritanopia

25.6749, 0.3391, 0.3121

Trichromacy



Original Color

25.8286, 0.4146, 0.4522

Protanomaly

25.7292, 0.4134, 0.4528

Deuteranomaly

25.8489, 0.4309, 0.4391

Tritanomaly

25.3744, 0.3705, 0.3658

Monochromacy



Original Color

25.8286, 0.4146, 0.4522

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.5095, 0.3520, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8286, 0.4146, 0.4522 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(156, 139, 57)` looks like.

```
.text, #text, p{  
    color:rgb(156, 139, 57)  
}
```

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(156, 139, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 139, 57) }
```

Border

The CSS property to change the border of an element to Yxy 25.8286, 0.4146, 0.4522 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(156, 139, 57) }
```

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

```
.border{ border-color:rgb(156, 139, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 139, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 139, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 139, 57);  
box-shadow:4px 4px 4px 4px rgb(156, 139,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8286, 0.4146, 0.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 139, 57) }
```

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

```
.background{ background-color: rgb(156,  
139, 57) }
```

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