

Converting Colors

$Y_{xy}(26.6443, 0.3934, 0.4877)$

Have a look what the booklet for
Yxy(26.6443, 0.3934, 0.4877)
contains.

Yxy(26.7725, 0.3929, 0.4883)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(26.7725, 0.3929, 0.4883)$

Conversions

Conversions Part 1

Format	Color
Hex	8A942D
RGB	138, 148, 45
RGB Percent	54%, 58%, 18%
CMY	0.4589, 0.4196, 0.8236
CMYK	0.07, 0.00, 0.70, 0.42
HSL	66°, 53%, 38%
HSV	66°, 70%, 58%
XYZ	21.5419, 26.7725, 6.5136
YIQ	133.2680, 27.1030, -34.1530

Conversions

Conversions Part 2

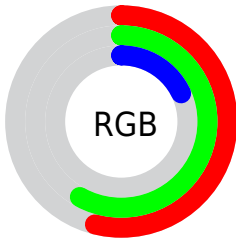
Format	Color
R _Y B	45, 148, 55
Decimal	9081901
CIE Lab	58.76, -17.41, 50.68
CIE LCh	59, 53.588, 108.954
Yxy	26.7725, 0.3929, 0.4883
Android (android.graphics.Color)	4287271981 (0xFF8A942D)
YUV	133.2680, -43.5161, 4.1500
Hunter-Lab	51.7421, -16.2335, 28.7558

Details

The Yxy color **26.7725, 0.3929, 0.4883** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.8274, 0.1907, 0.1171**, and the grayscale version is **23.7117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5735, 0.3808, 0.4565**, and **10.4807, 0.3990, 0.5214** is the 20% darker color. If you saturate the color by 10%, you get **26.5569, 0.3984, 0.5022**, and if you desaturate by 10%, it is **27.0321, 0.3850, 0.4705**.

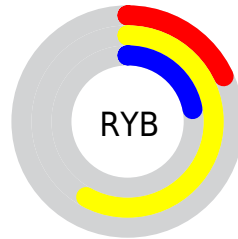
Distribution



Red (54%)

Green (58%)

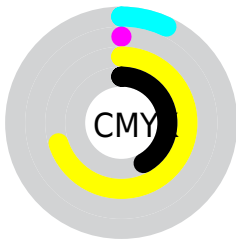
Blue (18%)



Red (18%)

Yellow (58%)

Blue (22%)

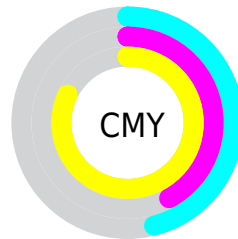


Cyan (7%)

Magenta (0%)

Yellow (70%)

Black (42%)



Cyan (46%)

Magenta (42%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7725, 0.3929, 0.4883 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 26.7725, 0.3929, 0.4883 by changing the saturation by 10% instead.


 26.7725, 0.3929,
0.4883


 26.7725, 0.3929,
0.4883


286.5539, 0.3549,
0.4022


 17.4024, 0.3996,
0.5100


 54.5186, 0.3806,
0.4563


 10.5218, 0.4053,
0.5366


 73.6634, 0.3754,
0.4444

 5.7463, 0.4172,
0.5828


 96.8353, 0.3709,
0.4344

 2.6914, 0.3962,
0.6038

 124.4185, 0.3668,
0.4260

 0.9728, 0.3382,
0.6618

 156.7977, 0.3633,
0.4188

 0.0000, 0.0000,
0.0000

 194.3570, 0.3602,

0.4125

237.4809, 0.3574,
0.4070

■ 26.7725, 0.3929,
0.4883

■ 26.7725, 0.3929,
0.4883

■ 26.5569, 0.3984,
0.5022

■ 27.0321, 0.3850,
0.4705

■ 26.3774, 0.4014,
0.5119

■ 27.3359, 0.3751,
0.4496

■ 26.2242, 0.4026,
0.5183

■ 27.6884, 0.3637,
0.4263

■ 26.2182, 0.4026,
0.5185

■ 28.0926, 0.3512,
0.4017

■ 28.5513, 0.3382,
0.3767

■ 29.0670, 0.3251,
0.3519

■ 29.6422, 0.3122,
0.3281

■ 30.2791, 0.2999,
0.3055

■ 30.9798, 0.2883,
0.2844

Harmonies

Analogous

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



26.7725, 0.4600, 0.4405



26.7725, 0.3929, 0.4883



26.7725, 0.3095, 0.4868

Triad

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



26.7725, 0.3929, 0.4883



26.7725, 0.1623, 0.2416



26.7725, 0.3869, 0.2587

Complementary

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



26.7725, 0.3929, 0.4883



4.8274, 0.1907, 0.1171

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.



26.7725, 0.2945, 0.2173



26.7725, 0.3929, 0.4883



26.7725, 0.1759, 0.2040

Square

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



26.7725, 0.3929, 0.4883



26.7725, 0.1800, 0.3164



26.7725, 0.2201, 0.1977



26.7725, 0.4636, 0.3147

Rectangle

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



26.7725, 0.3929, 0.4883



26.7725, 0.2554, 0.4458



26.7725, 0.2201, 0.1977



26.7725, 0.3558, 0.2428

Sweetspot

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



26.7737, 0.3929, 0.4883



50.2156, 0.3405, 0.3812



9.0852, 0.5264, 0.3419



11.4160, 0.3438, 0.3875



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



26.7737, 0.3929, 0.4883



46.6518, 0.4005, 0.5086



23.4429, 0.3371, 0.5240



6.7163, 0.3245, 0.3510



22.3978, 0.4027, 0.5184



0.2808, 0.4115, 0.5115

Inverse Universe

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



4.8274, 0.1907, 0.1171



5.3183, 0.1668, 0.0803



7.0229, 0.2531, 0.1467



5.6584, 0.3003, 0.3062



1.9150, 0.1543, 0.0624



0.0288, 0.1743, 0.0734

Previews

White Background



This preview shows how the Yxy color 26.7725, 0.3929, 0.4883 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 26.7725, 0.3929, 0.4883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

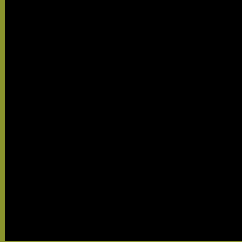
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7725, 0.3929, 0.4883

Background



This preview shows how black text looks on a background with the Yxy color 26.7725, 0.3929, 0.4883.



This preview shows how white text looks on a background with the Yxy color 26.7725, 0.3929, 0.4883.

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

26.7725, 0.3929, 0.4883

Protanopia

26.7895, 0.4234, 0.4685

Deuteranopia

26.5106, 0.4484, 0.4402



Tritanopia

26.6428, 0.3125, 0.3115

Trichromacy



Original Color

26.7725, 0.3929, 0.4883

Protanomaly

26.7077, 0.4125, 0.4751

Deuteranomaly

26.3600, 0.4282, 0.4576

Tritanomaly

26.4230, 0.3468, 0.3811

Monochromacy



Original Color

26.7725, 0.3929, 0.4883

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.2674, 0.3481, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7725, 0.3929, 0.4883 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(138, 148, 45)` looks like.

```
.text, #text, p{  
    color:rgb(138, 148, 45)  
}
```

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(138, 148, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 148, 45) }
```

Border

The CSS property to change the border of an element to Yxy 26.7725, 0.3929, 0.4883 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(138, 148, 45) }
```

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

```
.border{ border-color:rgb(138, 148, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 148, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 148, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 148, 45);  
box-shadow:4px 4px 4px 4px rgb(138, 148,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7725, 0.3929, 0.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 148, 45) }
```

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

```
.background{ background-color: rgb(138,  
148, 45) }
```

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