

Converting Colors

$Y_{xy}(27.1183, 0.3927, 0.4055)$

Have a look what the booklet for
Yxy(27.1183, 0.3927, 0.4055)
contains.

Yxy(26.9900, 0.3927, 0.4048)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.9900, 0.3927, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	A38B5A
RGB	163, 139, 90
RGB Percent	64%, 55%, 35%
CMY	0.3608, 0.4549, 0.6471
CMYK	0.00, 0.15, 0.45, 0.36
HSL	40°, 29%, 50%
HSV	40°, 45%, 64%
XYZ	26.1832, 26.9900, 13.5017
YIQ	140.5900, 30.0330, -10.1510

Conversions

Conversions Part 2

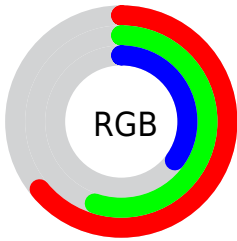
Format	Color
R_{YB}	126, 163, 90
Decimal	10718042
CIE Lab	58.97, 2.21, 29.52
CIE LCh	59, 29.600, 85.718
Yxy	26.9900, 0.3927, 0.4048
Android (android.graphics.Color)	4288908122 (0xFFA38B5A)
YUV	140.5900, -24.9409, 19.6536
Hunter-Lab	51.9519, -0.9536, 20.9576

Details

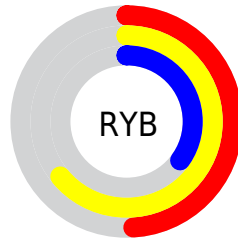
The Yxy color $26.9900, 0.3927, 0.4048$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $16.8532, 0.2382, 0.2383$, and the grayscale version is $26.5585, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.6824, 0.3762, 0.3891$, and $10.6342, 0.4199, 0.4277$ is the 20% darker color. If you saturate the color by 10%, you get $25.2292, 0.4133, 0.4203$, and if you desaturate by 10%, it is $28.8903, 0.3726, 0.3879$.

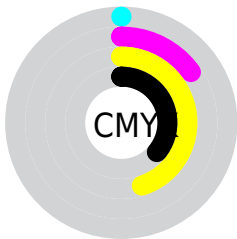
Distribution



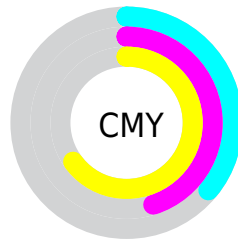
- Red (64%)
- Green (55%)
- Blue (35%)



- Red (49%)
- Yellow (64%)
- Blue (35%)



- Cyan (0%)
- Magenta (15%)
- Yellow (45%)
- Black (36%)



- Cyan (36%)
- Magenta (45%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9900, 0.3927, 0.4048 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 26.9900, 0.3927, 0.4048 by changing the saturation by 10% instead.


 26.9900, 0.3927,
0.4048


 26.9900, 0.3927,
0.4048


287.6087, 0.3497,
0.3645

 17.5657, 0.4041,
0.4153


 54.8678, 0.3765,
0.3898

 10.6386, 0.4190,
0.4287


 74.0901, 0.3706,
0.3842

 5.8244, 0.4386,
0.4460

 97.3473, 0.3656,
0.3796

 2.7386, 0.4787,
0.4821

 125.0236, 0.3615,
0.3756

 0.9968, 0.5025,
0.4975

157.5035, 0.3579,
0.3723

 0.0000, 0.0000,
0.0000

195.1714, 0.3548,

0.3694

238.4117, 0.3521,
0.3668

■ 26.9900, 0.3927,
0.4048

■ 26.9900, 0.3927,
0.4048

■ 25.2292, 0.4133,
0.4203

■ 28.8903, 0.3726,
0.3879

■ 23.5990, 0.4337,
0.4335

■ 30.9310, 0.3536,
0.3706

■ 22.0951, 0.4529,
0.4432

■ 33.1179, 0.3360,
0.3533

■ 20.7111, 0.4700,
0.4485

■ 35.4549, 0.3199,
0.3367

■ 19.4395, 0.4843,
0.4490

■ 37.9462, 0.3053,
0.3209

■ 18.8127, 0.4912,
0.4482

■ 40.5953, 0.2922,
0.3061

■ 43.4060, 0.2806,
0.2924

■ 46.3817, 0.2702,
0.2798

■ 49.5256, 0.2609,
0.2683

Harmonies

Analogous

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



26.9900, 0.4116, 0.3724



26.9900, 0.3927, 0.4048



26.9900, 0.3527, 0.4191

Triad

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



26.9900, 0.3927, 0.4048



26.9900, 0.2308, 0.3144



26.9900, 0.3155, 0.2667

Complementary

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



26.9900, 0.3927, 0.4048



16.8532, 0.2382, 0.2383

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.



26.9900, 0.2685, 0.2513



26.9900, 0.3927, 0.4048



26.9900, 0.2226, 0.2746

Square

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



26.9900, 0.3927, 0.4048



26.9900, 0.2596, 0.3640



26.9900, 0.2358, 0.2532



26.9900, 0.3654, 0.2958

Rectangle

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



26.9900, 0.3927, 0.4048



26.9900, 0.3203, 0.4130



26.9900, 0.2358, 0.2532



26.9900, 0.2988, 0.2598

Sweetspot

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



26.9913, 0.3927, 0.4048



59.9364, 0.3334, 0.3507



16.3217, 0.3885, 0.2906



13.2677, 0.3370, 0.3543



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



26.9913, 0.3927, 0.4048



45.1151, 0.4137, 0.4206



33.4987, 0.3649, 0.4416



7.8429, 0.3269, 0.3440



14.7050, 0.4904, 0.4488



0.3896, 0.4593, 0.4735

Inverse Universe

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



16.8532, 0.2382, 0.2383



24.6071, 0.2204, 0.2130



12.7911, 0.2431, 0.1972



7.2227, 0.2987, 0.3135



4.1518, 0.1639, 0.1100



0.1706, 0.1842, 0.1830

Previews

White Background



This preview shows how the Yxy color 26.9900, 0.3927, 0.4048 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 26.9900, 0.3927, 0.4048 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 26.9900, 0.3927, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 26.9900, 0.3927, 0.4048.



This preview shows how white text looks on a background with the Yxy color 26.9900, 0.3927, 0.4048.

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

26.9900, 0.3927, 0.4048

Protanopia

27.0699, 0.3803, 0.4105

Deuteranopia

27.0216, 0.4032, 0.3964



Tritanopia

26.8105, 0.3422, 0.3125

Trichromacy



Original Color

26.9900, 0.3927, 0.4048

Protanomaly

27.0742, 0.3844, 0.4079

Deuteranomaly

26.9715, 0.3989, 0.3988

Tritanomaly

26.8902, 0.3607, 0.3461

Monochromacy



Original Color

26.9900, 0.3927, 0.4048

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.5509, 0.3415, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9900, 0.3927, 0.4048 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(163, 139, 90)` looks like.

```
.text, #text, p{  
    color:rgb(163, 139, 90)  
}
```

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(163, 139, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 139, 90) }
```

Border

The CSS property to change the border of an element to Yxy 26.9900, 0.3927, 0.4048 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(163, 139, 90) }
```

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

```
.border{ border-color:rgb(163, 139, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 139, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 139, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 139, 90);  
box-shadow:4px 4px 4px 4px rgb(163, 139,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9900, 0.3927, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 139, 90) }
```

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

```
.background{ background-color: rgb(163,  
139, 90) }
```

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