

Converting Colors

$Y_{xy}(27.3000, 0.4106, 0.4594)$

Have a look what the booklet for
Yxy(27.3000, 0.4106, 0.4594)
contains.

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Color

Yxy(27.3000, 0.4106, 0.4594)

Conversions

Conversions Part 1

Format	Color
Hex	9C9038
RGB	156, 144, 56
RGB Percent	61%, 56%, 22%
CMY	0.3882, 0.4353, 0.7804
CMYK	0.00, 0.08, 0.64, 0.39
HSL	53°, 47%, 42%
HSV	53°, 64%, 61%
XYZ	24.4000, 27.3000, 7.7253
YIQ	137.5560, 35.4000, -24.8240

Conversions

Conversions Part 2

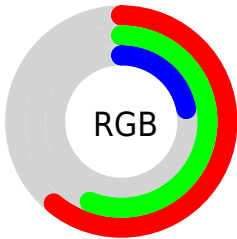
Format	Color
R_{YB}	70, 156, 56
Decimal	10260536
CIE Lab	59.25, -6.58, 46.95
CIE LCh	59, 47.405, 97.981
Yxy	27.3000, 0.4106, 0.4594
Android (android.graphics.Color)	4288450616 (0xFF9C9038)
YUV	137.5560, -40.2071, 16.1754
Hunter-Lab	52.2494, -8.0784, 27.8083

Details

The Yxy color **27.3000, 0.4106, 0.4594** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.3792, 0.1962, 0.1492**, and the grayscale version is **25.3851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5958, 0.3933, 0.4348**, and **10.8302, 0.4329, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **26.6084, 0.4224, 0.4724**, and if you desaturate by 10%, it is **28.0512, 0.3968, 0.4429**.

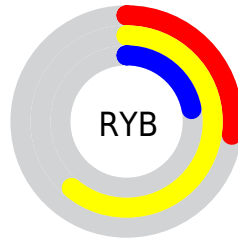
Distribution



Red (61%)

Green (56%)

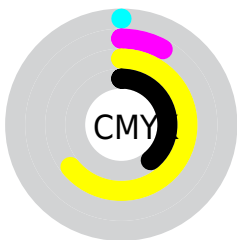
Blue (22%)



Red (27%)

Yellow (61%)

Blue (22%)

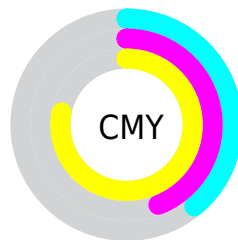


Cyan (0%)

Magenta (8%)

Yellow (64%)

Black (39%)



Cyan (39%)


Magenta (44%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3000, 0.4106, 0.4594 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 27.3000, 0.4106, 0.4594 by changing the saturation by 10% instead.


 27.3000, 0.4106,
0.4594


 27.3000, 0.4106,
0.4594


289.1067, 0.3613,
0.3908


 17.7987, 0.4214,
0.4760


 55.3649, 0.3933,
0.4344

 10.8055, 0.4335,
0.4961


 74.6972, 0.3866,
0.4249

 5.9362, 0.4516,
0.5267

 98.0754, 0.3808,
0.4170

 2.8063, 0.4542,
0.5458

 125.8837, 0.3758,
0.4102

 1.0315, 0.4407,
0.5593

 158.5066, 0.3714,
0.4043

 0.0000, 0.0000,
0.0000

 196.3285, 0.3676,

0.3992

239.7337, 0.3642,
0.3948

■ 27.3000, 0.4106,
0.4594

■ 27.3000, 0.4106,
0.4594

■ 26.6084, 0.4224,
0.4724

■ 28.0512, 0.3968,
0.4429

■ 25.9679, 0.4318,
0.4812

■ 28.8622, 0.3816,
0.4237

■ 25.3741, 0.4385,
0.4858

■ 29.7378, 0.3657,
0.4028

■ 25.0372, 0.4418,
0.4874

■ 30.6815, 0.3496,
0.3809

■ 31.6962, 0.3338,
0.3590

■ 32.7848, 0.3187,
0.3376

■ 33.9500, 0.3044,
0.3170

■ 35.1942, 0.2913,
0.2977

■ 36.5199, 0.2791,
0.2797

Harmonies

Analogous

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



27.3000, 0.4590, 0.4115



27.3000, 0.4106, 0.4594



27.3000, 0.3396, 0.4741

Triad

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



27.3000, 0.4106, 0.4594



27.3000, 0.1799, 0.2733



27.3000, 0.3486, 0.2505

Complementary

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



27.3000, 0.4106, 0.4594



7.3792, 0.1962, 0.1492

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.



27.3000, 0.2701, 0.2194



27.3000, 0.4106, 0.4594



27.3000, 0.1818, 0.2265

Square

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



27.3000, 0.4106, 0.4594



27.3000, 0.2081, 0.3499



27.3000, 0.2121, 0.2101



27.3000, 0.4247, 0.2979

Rectangle

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



27.3000, 0.4106, 0.4594



27.3000, 0.2892, 0.4525



27.3000, 0.2121, 0.2101



27.3000, 0.3212, 0.2380

Sweetspot

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



27.3013, 0.4106, 0.4594



56.5671, 0.3420, 0.3705



10.3326, 0.4858, 0.3096



12.3406, 0.3463, 0.3764



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.



27.3013, 0.4106, 0.4594



47.7911, 0.4269, 0.4768



28.0149, 0.3595, 0.4971



7.5842, 0.3264, 0.3485



20.6512, 0.4416, 0.4875



0.4039, 0.4316, 0.4955

Inverse Universe

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



7.3792, 0.1962, 0.1492



8.8349, 0.1730, 0.1092



7.5402, 0.2300, 0.1458



6.5573, 0.2988, 0.3087



2.3830, 0.1530, 0.0709



0.0753, 0.1652, 0.1148

Previews

White Background



This preview shows how the Yxy color 27.3000, 0.4106, 0.4594 looks on a white background.

Color Contrast Check

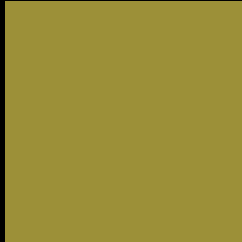
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3000, 0.4106, 0.4594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

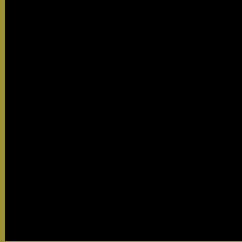
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3000, 0.4106, 0.4594

Background



This preview shows how black text looks on a background with the Yxy color 27.3000, 0.4106, 0.4594.



This preview shows how white text looks on a background with the Yxy color 27.3000, 0.4106, 0.4594.

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

27.3000, 0.4106, 0.4594

Protanopia

27.3014, 0.4150, 0.4563

Deuteranopia

27.2712, 0.4405, 0.4333



Tritanopia

27.2648, 0.3348, 0.3139

Trichromacy



Original Color

27.3000, 0.4106, 0.4594

Protanomaly

27.1995, 0.4139, 0.4569

Deuteranomaly

27.2057, 0.4291, 0.4429

Tritanomaly

26.9463, 0.3660, 0.3685

Monochromacy



Original Color

27.3000, 0.4106, 0.4594

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.8586, 0.3518, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3000, 0.4106, 0.4594 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, 144, 56)` looks like.

```
.text, #text, p{  
    color:rgb(156, 144, 56)  
}
```

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, 144, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 144, 56) }
```

Border

The CSS property to change the border of an element to Yxy 27.3000, 0.4106, 0.4594 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, 144, 56) }
```

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

```
.border{ border-color:rgb(156, 144, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 144, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 144, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 144, 56);  
box-shadow:4px 4px 4px 4px rgb(156, 144,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3000, 0.4106, 0.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 144, 56) }
```

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

```
.background{ background-color: rgb(156,  
144, 56) }
```

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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