

Converting Colors

$Y_{xy}(29.8546, 0.3647, 0.4034)$

Have a look what the booklet for
Yxy(29.8546, 0.3647, 0.4034)
contains.

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Color

Yxy(29.8599, 0.3653, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	9C9667
RGB	156, 150, 103
RGB Percent	61%, 59%, 40%
CMY	0.3882, 0.4118, 0.5961
CMYK	0.00, 0.04, 0.34, 0.39
HSL	53°, 21%, 51%
HSV	53°, 34%, 61%
XYZ	27.0666, 29.8599, 17.1676
YIQ	146.4360, 18.6630, -13.3450

Conversions

Conversions Part 2

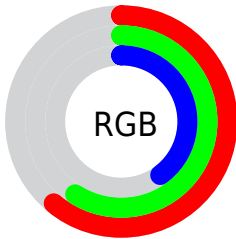
Format	Color
R_{YB}	110, 156, 103
Decimal	10262119
CIE Lab	61.53, -5.24, 25.63
CIE LCh	62, 26.161, 101.556
Yxy	29.8599, 0.3653, 0.4030
Android (android.graphics.Color)	4288452199 (0xFF9C9667)
YUV	146.4360, -21.4139, 8.3876
Hunter-Lab	54.6442, -7.2122, 19.6238

Details

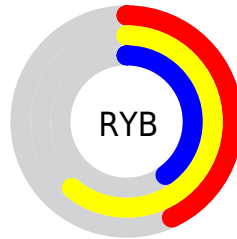
The Yxy color **29.8599, 0.3653, 0.4030** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.2234, 0.2548, 0.2422**, and the grayscale version is **29.0181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4012, 0.3545, 0.3873**, and **12.1426, 0.3826, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **29.0162, 0.3811, 0.4241**, and if you desaturate by 10%, it is **30.7733, 0.3493, 0.3810**.

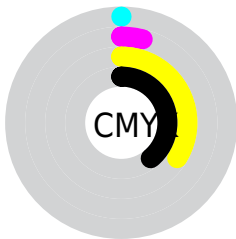
Distribution



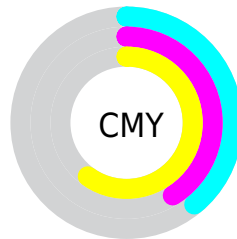
- Red (61%)
- Green (59%)
- Blue (40%)



- Red (43%)
- Yellow (61%)
- Blue (40%)



- Cyan (0%)
- Magenta (4%)
- Yellow (34%)
- Black (39%)





- Cyan (39%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8599, 0.3653, 0.4030 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 29.8599, 0.3653, 0.4030 by changing the saturation by 10% instead.


 29.8599, 0.3653,
0.4030


 29.8599, 0.3653,
0.4030


301.2509, 0.3377,
0.3631


 19.7323, 0.3725,
0.4138


 59.4405, 0.3550,
0.3878


 12.2006, 0.3817,
0.4282


 79.6624, 0.3512,
0.3824

 6.8804, 0.3938,
0.4479


 104.0177, 0.3480,
0.3778

 3.3874, 0.4104,
0.4766

 132.8909, 0.3453,
0.3739

 1.3372, 0.4536,
0.5464

166.6665, 0.3430,
0.3706

 0.1697, 0.1644,
0.8356

205.7287, 0.3410,

 0.0000, 0.0000,

0.3678

0.0000

250.4620, 0.3392,
0.3653

■ 29.8599, 0.3653,
0.4030

■ 29.8599, 0.3653,
0.4030

■ 29.0162, 0.3811,
0.4241

■ 30.7733, 0.3493,
0.3810

■ 28.2347, 0.3962,
0.4434

■ 31.7555, 0.3336,
0.3590

■ 27.5134, 0.4098,
0.4600

■ 32.8105, 0.3185,
0.3374

■ 26.8481, 0.4215,
0.4731


■ 33.9410, 0.3043,
0.3167


■ 26.2343, 0.4307,
0.4821

■ 35.1495, 0.2911,
0.2972


 25.6663, 0.4372,
0.4868

 36.4385, 0.2790,
0.2791

 25.3378, 0.4405,
0.4885

 37.8103, 0.2679,
0.2624

 39.2669, 0.2579,
0.2471

 40.8105, 0.2489,
0.2331

Harmonies

Analogous

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



29.8599, 0.3918, 0.3830



29.8599, 0.3653, 0.4030



29.8599, 0.3257, 0.4021

Triad

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



29.8599, 0.3653, 0.4030



29.8599, 0.2358, 0.2973



29.8599, 0.3384, 0.2872

Complementary

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



29.8599, 0.3653, 0.4030



16.2234, 0.2548, 0.2422

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.



29.8599, 0.2953, 0.2669



29.8599, 0.3653, 0.4030



29.8599, 0.2385, 0.2705

Square

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



29.8599, 0.3653, 0.4030



29.8599, 0.2519, 0.3367



29.8599, 0.2594, 0.2605



29.8599, 0.3764, 0.3173

Rectangle

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



29.8599, 0.3653, 0.4030



29.8599, 0.2975, 0.3877



29.8599, 0.2594, 0.2605



29.8599, 0.3239, 0.2791

Sweetspot

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



29.8613, 0.3653, 0.4030



58.3753, 0.3278, 0.3507



17.8771, 0.3806, 0.3189



12.7910, 0.3298, 0.3535



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.



29.8613, 0.3653, 0.4030



53.0148, 0.3777, 0.4196



29.9690, 0.3407, 0.4178



7.5918, 0.3263, 0.3487



20.8984, 0.4403, 0.4886



0.4066, 0.4309, 0.4961

Inverse Universe

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



16.2234, 0.2548, 0.2422



24.3029, 0.2394, 0.2182



16.3351, 0.2763, 0.2367



6.5504, 0.2988, 0.3086



2.3535, 0.1528, 0.0701



0.0730, 0.1645, 0.1120

Previews

White Background



This preview shows how the Yxy color 29.8599, 0.3653, 0.4030 looks on a white background.

Color Contrast Check

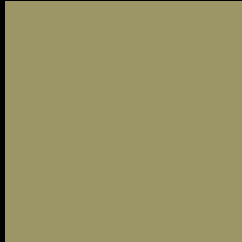
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8599, 0.3653, 0.4030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

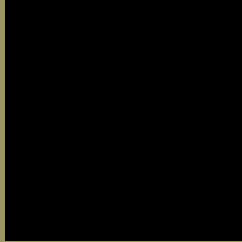
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8599, 0.3653, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 29.8599, 0.3653, 0.4030.



This preview shows how white text looks on a background with the Yxy color 29.8599, 0.3653, 0.4030.

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

29.8599, 0.3653, 0.4030

Protanopia

29.7162, 0.3729, 0.4002

Deuteranopia

29.7130, 0.3913, 0.3831



Tritanopia

29.6929, 0.3210, 0.3111

Trichromacy



Original Color

29.8599, 0.3653, 0.4030

Protanomaly

29.8251, 0.3701, 0.4022

Deuteranomaly

29.6853, 0.3815, 0.3907

Tritanomaly

29.8089, 0.3377, 0.3445

Monochromacy



Original Color

29.8599, 0.3653, 0.4030

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.9632, 0.3327, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8599, 0.3653, 0.4030 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, 150, 103)` looks like.

```
.text, #text, p{  
    color:rgb(156, 150, 103)  
}
```

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, 150, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 150, 103) }
```

Border

The CSS property to change the border of an element to Yxy 29.8599, 0.3653, 0.4030 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, 150, 103) }
```

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

```
.border{ border-color:rgb(156, 150, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 150, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 150, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 150, 103);  
box-shadow:4px 4px 4px 4px rgb(156, 150,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8599, 0.3653, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 150, 103) }
```

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

```
.background{ background-color: rgb(156,  
150, 103) }
```

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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