

Converting Colors

$Y_{xy}(30.0052, 0.3595, 0.4063)$

Have a look what the booklet for
Yxy(30.0052, 0.3595, 0.4063)
contains.

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Color

Yxy(30.1111, 0.3599, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	989867
RGB	152, 152, 103
RGB Percent	60%, 60%, 40%
CMY	0.4039, 0.4039, 0.5960
CMYK	0.00, 0.00, 0.32, 0.40
HSL	60°, 19%, 50%
HSV	60°, 32%, 60%
XYZ	26.6265, 30.1111, 17.2454
YIQ	146.4140, 15.7290, -15.2390

Conversions

Conversions Part 2

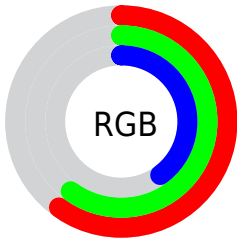
Format	Color
RYB	103, 152, 103
Decimal	10000487
CIELab	61.75, -7.97, 25.84
CIELCh	62, 27.042, 107.136
Yxy	30.1111, 0.3599, 0.4070
Android (android.graphics.Color)	4288190567 (0xFF989867)
YUV	146.4140, -21.4031, 4.8989
Hunter-Lab	54.8736, -9.4146, 19.7781

Details

The Yxy color **30.1111, 0.3599, 0.4070** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.8567, 0.2570, 0.2370**, and the grayscale version is **29.0096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7746, 0.3506, 0.3901**, and **12.2925, 0.3743, 0.4341** is the 20% darker color. If you saturate the color by 10%, you get **29.8342, 0.3739, 0.4302**, and if you desaturate by 10%, it is **30.4462, 0.3452, 0.3828**.

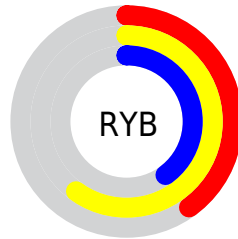
Distribution



Red (60%)

Green (60%)

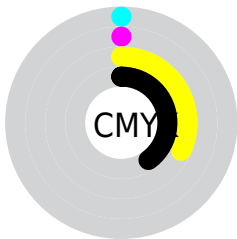
Blue (40%)



Red (40%)

Yellow (60%)

Blue (40%)

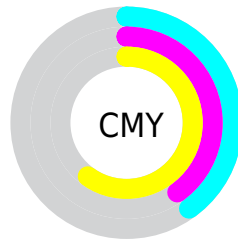


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (40%)



Cyan (40%)


Magenta (40%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1111, 0.3599, 0.4070 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 30.1111, 0.3599, 0.4070 by changing the saturation by 10% instead.


 30.1111, 0.3599,
0.4070


 30.1111, 0.3599,
0.4070


302.4220, 0.3353,
0.3647


 19.9229, 0.3662,
0.4186


 59.8378, 0.3508,
0.3909


 12.3390, 0.3741,
0.4340


 80.1452, 0.3475,
0.3850

 6.9750, 0.3845,
0.4554


 104.5944, 0.3446,
0.3802

 3.4465, 0.3980,
0.4868

 133.5698, 0.3422,
0.3761

 1.3690, 0.4360,
0.5640

167.4559, 0.3401,
0.3727

 0.1937, 0.0000,
1.0000

206.6370, 0.3383,

 0.0000, 0.0000,

0.3697

0.0000

251.4976, 0.3367,
0.3670

■ 30.1111, 0.3599,
0.4070

■ 30.1111, 0.3599,
0.4070

■ 29.8342, 0.3739,
0.4302

■ 30.4462, 0.3452,
0.3828

■ 29.6084, 0.3868,
0.4514

■ 30.8382, 0.3304,
0.3583

■ 29.4319, 0.3979,
0.4698


■ 31.2912, 0.3159,
0.3342

■ 29.3008, 0.4068,
0.4845


■ 31.8074, 0.3019,
0.3112

■ 29.2111, 0.4133,
0.4953


■ 32.3892, 0.2888,
0.2894


 29.1578, 0.4173,
0.5019

 33.0389, 0.2765,
0.2692

 29.1316, 0.4193,
0.5053

 33.7584, 0.2653,
0.2506

 34.5499, 0.2550,
0.2336

 35.4151, 0.2457,
0.2182

Harmonies

Analogous

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



30.1111, 0.3906, 0.3895



30.1111, 0.3599, 0.4070



30.1111, 0.3178, 0.4015

Triad

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



30.1111, 0.3599, 0.4070



30.1111, 0.2326, 0.2899



30.1111, 0.3473, 0.2911

Complementary

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



30.1111, 0.3599, 0.4070



14.8567, 0.2570, 0.2370

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.



30.1111, 0.3027, 0.2680



30.1111, 0.3599, 0.4070



30.1111, 0.2390, 0.2655

Square

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



30.1111, 0.3599, 0.4070



30.1111, 0.2456, 0.3287



30.1111, 0.2637, 0.2586



30.1111, 0.3839, 0.3232

Rectangle

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



30.1111, 0.3599, 0.4070



30.1111, 0.2892, 0.3837



30.1111, 0.2637, 0.2586



30.1111, 0.3326, 0.2822

Sweetspot

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



30.1125, 0.3599, 0.4070



54.5833, 0.3274, 0.3533



17.3763, 0.3828, 0.3278



12.3838, 0.3293, 0.3565



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



30.1125, 0.3599, 0.4070



52.7700, 0.3706, 0.4246



28.0520, 0.3341, 0.4141



7.2229, 0.3260, 0.3510



24.4250, 0.4193, 0.5053



0.3652, 0.4193, 0.5053

Inverse Universe

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



14.8567, 0.2570, 0.2370



21.3576, 0.2416, 0.2114



16.4602, 0.2846, 0.2436



6.0264, 0.2988, 0.3060



1.9009, 0.1500, 0.0600



0.0284, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 30.1111, 0.3599, 0.4070 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.1111, 0.3599, 0.4070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

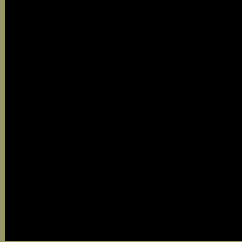
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1111, 0.3599, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 30.1111, 0.3599, 0.4070.



This preview shows how white text looks on a background with the Yxy color 30.1111, 0.3599, 0.4070.

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

30.1111, 0.3599, 0.4070

Protanopia

30.0313, 0.3724, 0.4016

Deuteranopia

30.0120, 0.3907, 0.3844



Tritanopia

29.9542, 0.3146, 0.3109

Trichromacy



Original Color

30.1111, 0.3599, 0.4070

Protanomaly

30.0411, 0.3685, 0.4039

Deuteranomaly

29.8821, 0.3799, 0.3924

Tritanomaly

30.0539, 0.3319, 0.3462

Monochromacy



Original Color

30.1111, 0.3599, 0.4070

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.0874, 0.3303, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1111, 0.3599, 0.4070 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(152, 152, 103)` looks like.

```
.text, #text, p{  
    color:rgb(152, 152, 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(152, 152, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 152, 103) }
```

Border

The CSS property to change the border of an element to Yxy 30.1111, 0.3599, 0.4070 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(152, 152, 103) }
```

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

```
.border{ border-color:rgb(152, 152, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 152, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 152, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 152, 103);  
box-shadow:4px 4px 4px 4px rgb(152, 152,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1111, 0.3599, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 152, 103) }
```

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

```
.background{ background-color: rgb(152,  
152, 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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