

Converting Colors

$Y_{xy}(30.1296, 0.3613, 0.4066)$

Have a look what the booklet for
Yxy(30.1296, 0.3613, 0.4066)
contains.

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Color

Yxy(30.2080, 0.3610, 0.4067)

Conversions

Conversions Part 1

Format	Color
Hex	999867
RGB	153, 152, 103
RGB Percent	60%, 60%, 40%
CMY	0.4000, 0.4039, 0.5960
CMYK	0.00, 0.01, 0.33, 0.40
HSL	59°, 20%, 50%
HSV	59°, 33%, 60%
XYZ	26.8136, 30.2080, 17.2543
YIQ	146.7130, 16.3250, -15.0270

Conversions

Conversions Part 2

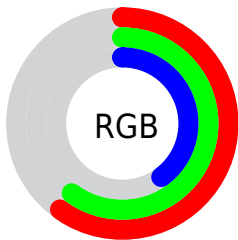
Format	Color
RYB	104, 153, 103
Decimal	10066023
CIELab	61.83, -7.56, 25.97
CIElCh	62, 27.045, 106.238
Yxy	30.2080, 0.3610, 0.4067
Android (android.graphics.Color)	4288256103 (0xFF999867)
YUV	146.7130, -21.5505, 5.5137
Hunter-Lab	54.9618, -9.1004, 19.8602

Details

The Yxy color **30.2080, 0.3610, 0.4067** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.0879, 0.2563, 0.2373**, and the grayscale version is **29.1395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9191, 0.3515, 0.3900**, and **12.3499, 0.3759, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **29.8310, 0.3753, 0.4295**, and if you desaturate by 10%, it is **30.6442, 0.3461, 0.3829**.

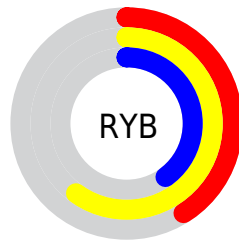
Distribution



Red (60%)

Green (60%)

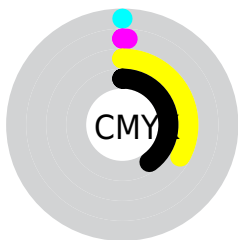
Blue (40%)



Red (41%)

Yellow (60%)

Blue (40%)

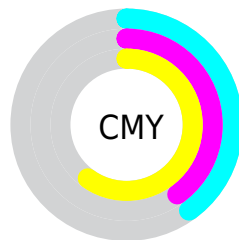


Cyan (0%)

Magenta (1%)

Yellow (33%)

Black (40%)



Cyan (40%)


Magenta (40%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2080, 0.3610, 0.4067 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 30.2080, 0.3610, 0.4067 by changing the saturation by 10% instead.

 30.2080, 0.3610,
0.4067


 30.2080, 0.3610,
0.4067


 302.8728, 0.3359,
0.3647


 19.9965, 0.3674,
0.4182


 59.9910, 0.3517,
0.3907


 12.3925, 0.3756,
0.4335


 80.3312, 0.3483,
0.3849

 7.0116, 0.3862,
0.4546


 104.8166, 0.3454,
0.3801

 3.4693, 0.4002,
0.4855

 133.8313, 0.3429,
0.3760

 1.3814, 0.4388,
0.5612

 167.7599, 0.3408,
0.3726

 0.2030, 0.0392,
0.9608

206.9868, 0.3389,

 0.0000, 0.0000,

0.3696

0.0000

251.8963, 0.3373,
0.3670

■ 30.2080, 0.3610,
0.4067

■ 30.2080, 0.3610,
0.4067

■ 29.8310, 0.3753,
0.4295

■ 30.6442, 0.3461,
0.3829

■ 29.5061, 0.3885,
0.4504

■ 31.1383, 0.3312,
0.3588

■ 29.2312, 0.4000,
0.4684


■ 31.6944, 0.3165,
0.3352


■ 29.0026, 0.4093,
0.4829

■ 32.3149, 0.3025,
0.3125

■ 28.8161, 0.4162,
0.4933


■ 33.0023, 0.2893,
0.2911


 28.6665, 0.4206,
0.4996

 33.7586, 0.2771,
0.2712

 28.5706, 0.4228,
0.5025

 34.5861, 0.2659,
0.2529

 35.4868, 0.2556,
0.2362

 36.4626, 0.2464,
0.2210

Harmonies

Analogous

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



30.2080, 0.3911, 0.3887



30.2080, 0.3610, 0.4067



30.2080, 0.3191, 0.4019

Triad

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



30.2080, 0.3610, 0.4067



30.2080, 0.2328, 0.2909



30.2080, 0.3459, 0.2903

Complementary

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



30.2080, 0.3610, 0.4067



15.0879, 0.2563, 0.2373

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.



30.2080, 0.3014, 0.2676



30.2080, 0.3610, 0.4067



30.2080, 0.2386, 0.2661

Square

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



30.2080, 0.3610, 0.4067



30.2080, 0.2463, 0.3300



30.2080, 0.2628, 0.2586



30.2080, 0.3830, 0.3222

Rectangle

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



30.2080, 0.3610, 0.4067



30.2080, 0.2905, 0.3847



30.2080, 0.2628, 0.2586



30.2080, 0.3312, 0.2815

Sweetspot

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



30.2094, 0.3610, 0.4067



56.0027, 0.3275, 0.3529



17.4900, 0.3830, 0.3264



12.3387, 0.3294, 0.3559



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.



30.2094, 0.3610, 0.4067



53.6122, 0.3713, 0.4231



28.4813, 0.3352, 0.4152



7.2018, 0.3261, 0.3506



23.6201, 0.4227, 0.5025



0.3588, 0.4211, 0.5038

Inverse Universe

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



15.0879, 0.2563, 0.2373



22.3416, 0.2419, 0.2136



16.4660, 0.2831, 0.2421



6.0450, 0.2988, 0.3065



1.9614, 0.1505, 0.0617



0.0339, 0.1529, 0.0703

Previews

White Background



This preview shows how the Yxy color 30.2080, 0.3610, 0.4067 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 30.2080, 0.3610, 0.4067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

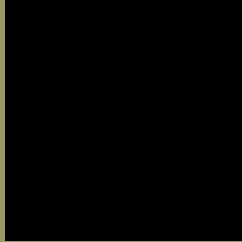
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2080, 0.3610, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 30.2080, 0.3610, 0.4067.



This preview shows how white text looks on a background with the Yxy color 30.2080, 0.3610, 0.4067.

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

30.2080, 0.3610, 0.4067

Protanopia

30.1356, 0.3735, 0.4013

Deuteranopia

30.1298, 0.3919, 0.3842



Tritanopia

30.0560, 0.3156, 0.3110

Trichromacy



Original Color

30.2080, 0.3610, 0.4067

Protanomaly

30.1429, 0.3696, 0.4036

Deuteranomaly

29.9923, 0.3810, 0.3921

Tritanomaly

30.1541, 0.3330, 0.3461

Monochromacy



Original Color

30.2080, 0.3610, 0.4067

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.5231, 0.3302, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2080, 0.3610, 0.4067 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(153, 152, 103)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 152, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 152, 103) }
```

Border

The CSS property to change the border of an element to Yxy 30.2080, 0.3610, 0.4067 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(153, 152, 103) }
```

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

```
.border{ border-color:rgb(153, 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(153, 152, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 152, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 152, 103);  
box-shadow:4px 4px 4px 4px rgb(153, 152,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2080, 0.3610, 0.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 152, 103) }
```

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

```
.background{ background-color: rgb(153,  
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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