

Converting Colors

$Y_{xy}(12.9953, 0.3547, 0.4038)$

Have a look what the booklet for
Yxy(12.9953, 0.3547, 0.4038)
contains.

Yxy(12.9094, 0.3547, 0.4044)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9094, 0.3547, 0.4044)

Conversions

Conversions Part 1

Format	Color
Hex	656746
RGB	101, 103, 70
RGB Percent	40%, 40%, 27%
CMY	0.6039, 0.5961, 0.7255
CMYK	0.02, 0.00, 0.32, 0.60
HSL	64°, 19%, 34%
HSV	64°, 32%, 40%
XYZ	11.3229, 12.9094, 7.6901
YIQ	98.6400, 9.4010, -10.6870

Conversions

Conversions Part 2

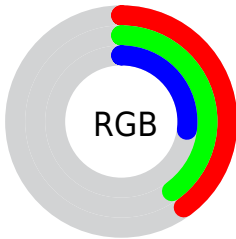
Format	Color
R_{YB}	70, 103, 72
Decimal	6645574
CIE _{Lab}	42.63, -6.68, 18.41
CIE _{LCh}	43, 19.582, 109.936
Yxy	12.9094, 0.3547, 0.4044
Android (android.graphics.Color)	4284835654 (0xFF656746)
YUV	98.6400, -14.1195, 2.0697
Hunter-Lab	35.9297, -6.6245, 12.4608

Details

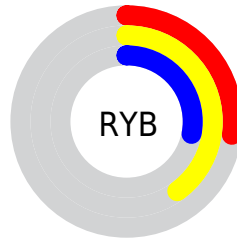
The Yxy color **12.9094, 0.3547, 0.4044** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.7383, 0.2630, 0.2424**, and the grayscale version is **12.4170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1185, 0.3439, 0.3844**, and **3.6598, 0.3720, 0.4436** is the 20% darker color. If you saturate the color by 10%, you get **12.7549, 0.3673, 0.4276**, and if you desaturate by 10%, it is **13.0876, 0.3416, 0.3806**.

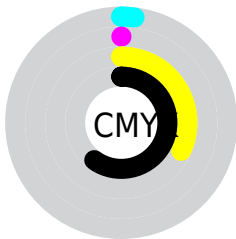
Distribution



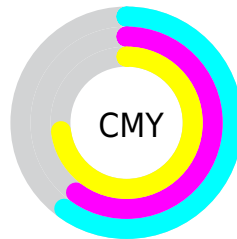
- Red (40%)
- Green (40%)
- Blue (27%)



- Red (27%)
- Yellow (40%)
- Blue (28%)



- Cyan (2%)
- Magenta (0%)
- Yellow (32%)
- Black (60%)




- Cyan (60%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9094, 0.3547, 0.4044 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 12.9094, 0.3547, 0.4044 by changing the saturation by 10% instead.


 12.9094, 0.3547,
0.4044


 12.9094, 0.3547,
0.4044


210.3362, 0.3299,
0.3582


 7.3662, 0.3624,
0.4202


 31.1409, 0.3446,
0.3849


 3.6921, 0.3731,
0.4438

 44.5980, 0.3412,
0.3785

 1.5029, 0.4102,
0.5100

 61.4619, 0.3384,
0.3733

 0.2908, 0.2805,
0.7195

 82.1169, 0.3361,
0.3692

 0.0000, 0.0000,
0.0000

 106.9474, 0.3342,
0.3657

136.3379, 0.3325,

0.3628

170.6727, 0.3311,
0.3603

■ 12.9094, 0.3547,
0.4044

■ 12.9094, 0.3547,
0.4044

■ 12.7549, 0.3673,
0.4276

■ 13.0876, 0.3416,
0.3806

■ 12.6214, 0.3789,
0.4493

■ 13.2889, 0.3283,
0.3568

■ 12.5080, 0.3890,
0.4688

■ 13.5148, 0.3153,
0.3336

■ 12.4135, 0.3972,
0.4852

■ 13.7663, 0.3028,
0.3115

■ 12.3363, 0.4032,
0.4980

■ 14.0443, 0.2909,
0.2906

■ 12.2744, 0.4069,
0.5069

■ 14.3495, 0.2797,
0.2713

■ 12.2291, 0.4093,
0.5132

■ 14.6829, 0.2694,
0.2534

■ 15.0452, 0.2599,
0.2371

■ 15.4371, 0.2513,
0.2222

Harmonies

Analogous

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



12.9094, 0.3856, 0.3896



12.9094, 0.3547, 0.4044



12.9094, 0.3138, 0.3966

Triad

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



12.9094, 0.3547, 0.4044



12.9094, 0.2354, 0.2887



12.9094, 0.3498, 0.2951

Complementary

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



12.9094, 0.3547, 0.4044



6.7383, 0.2630, 0.2424

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.



12.9094, 0.3071, 0.2718



12.9094, 0.3547, 0.4044



12.9094, 0.2433, 0.2666

Square

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



12.9094, 0.3547, 0.4044



12.9094, 0.2462, 0.3250



12.9094, 0.2686, 0.2613



12.9094, 0.3835, 0.3267

Rectangle

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



12.9094, 0.3547, 0.4044



12.9094, 0.2866, 0.3783



12.9094, 0.2686, 0.2613



12.9094, 0.3358, 0.2862

Sweetspot

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



12.9100, 0.3547, 0.4044



23.8615, 0.3260, 0.3527



7.9163, 0.3786, 0.3332



5.8119, 0.3274, 0.3551



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.9100, 0.3547, 0.4044



22.9152, 0.3637, 0.4209



12.0676, 0.3299, 0.4109



3.2599, 0.3242, 0.3494



15.3799, 0.4092, 0.5133



80.0767, 0.4086, 0.5138

Inverse Universe

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



6.7383, 0.2630, 0.2424



10.0837, 0.2499, 0.2199



7.4426, 0.2899, 0.2486



2.7709, 0.3007, 0.3078



1.2769, 0.1532, 0.0618



6.5247, 0.1514, 0.0608

Previews

White Background



This preview shows how the Yxy color 12.9094, 0.3547, 0.4044 looks on a white background.

Color Contrast Check

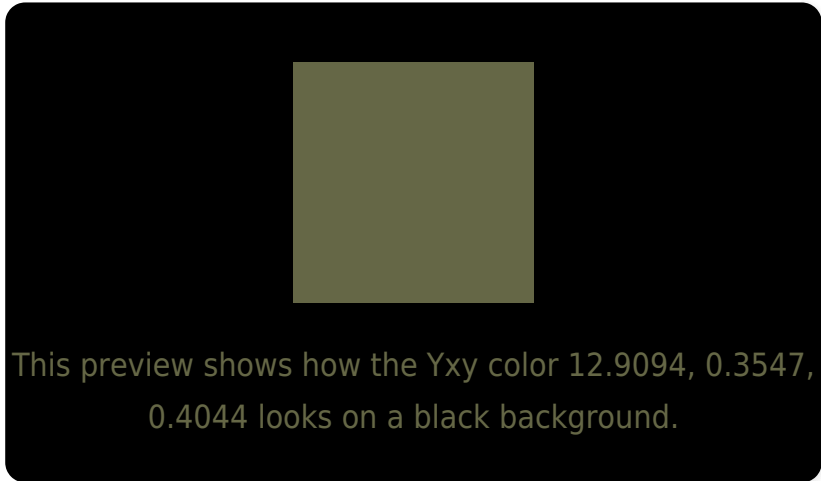
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

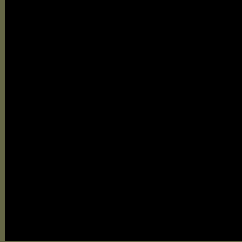
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

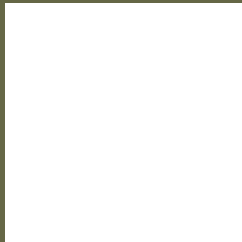
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.9094, 0.3547, 0.4044

Background



This preview shows how black text looks on a background with the Yxy color 12.9094, 0.3547, 0.4044.



This preview shows how white text looks on a background with the Yxy color 12.9094, 0.3547, 0.4044.

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

12.9094, 0.3547, 0.4044

Protanopia

12.9882, 0.3700, 0.3993

Deuteranopia

12.8137, 0.3886, 0.3811



Tritanopia

12.7792, 0.3121, 0.3117

Trichromacy



Original Color

12.9094, 0.3547, 0.4044

Protanomaly

12.9966, 0.3646, 0.4026

Deuteranomaly

12.8893, 0.3750, 0.3895

Tritanomaly

12.8477, 0.3284, 0.3446

Monochromacy



Original Color

12.9094, 0.3547, 0.4044

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5282, 0.3293, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9094, 0.3547, 0.4044 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(101, 103, 70)` looks like.

```
.text, #text, p{  
    color:rgb(101, 103, 70)  
}
```

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(101, 103, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 103, 70) }
```

Border

The CSS property to change the border of an element to Yxy 12.9094, 0.3547, 0.4044 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(101, 103, 70) }
```

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

```
.border{ border-color:rgb(101, 103, 70) }
```

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

Here you see how a box with a 4 pixel rgb(101, 103, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 103, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 103, 70);  
box-shadow:4px 4px 4px 4px rgb(101, 103,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9094, 0.3547, 0.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 103, 70) }
```

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

```
.background{ background-color: rgb(101,  
103, 70) }
```

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