

Converting Colors

$Y_{xy}(13.4055, 0.3503, 0.3798)$

Have a look what the booklet for
Yxy(13.4055, 0.3503, 0.3798)
contains.

Yxy(13.4055, 0.3503, 0.3798)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.4055, 0.3503, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	6B6750
RGB	107, 103, 80
RGB Percent	42%, 40%, 31%
CMY	0.5803, 0.5961, 0.6862
CMYK	0.00, 0.04, 0.25, 0.58
HSL	51°, 14%, 37%
HSV	51°, 25%, 42%
XYZ	12.3643, 13.4055, 9.5264
YIQ	101.5740, 9.7670, -6.3050

Conversions

Conversions Part 2

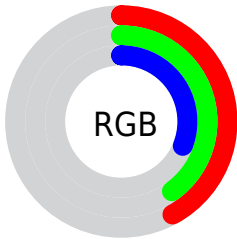
Format	Color
R_{YB}	85, 107, 80
Decimal	7038800
CIE _{Lab}	43.37, -2.55, 13.57
CIE _{LCh}	43, 13.808, 100.646
Yxy	13.4055, 0.3503, 0.3798
Android (android.graphics.Color)	4285228880 (0xFF6B6750)
YUV	101.5740, -10.6360, 4.7586
Hunter-Lab	36.6135, -3.7948, 10.2028

Details

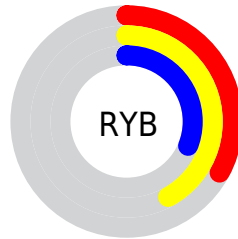
The Yxy color **13.4055, 0.3503, 0.3798** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.1149, 0.2732, 0.2725**, and the grayscale version is **13.1978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0671, 0.3417, 0.3674**, and **3.8795, 0.3686, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **12.9455, 0.3662, 0.4003**, and if you desaturate by 10%, it is **13.8980, 0.3348, 0.3593**.

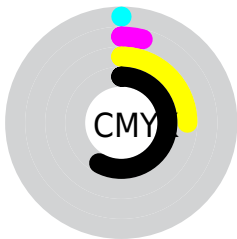
Distribution



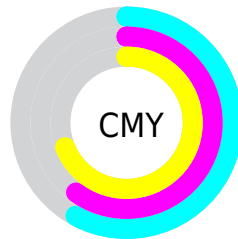
- Red (42%)
- Green (40%)
- Blue (31%)



- Red (33%)
- Yellow (42%)
- Blue (31%)



- Cyan (0%)
- Magenta (4%)
- Yellow (25%)
- Black (58%)



- Cyan (58%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4055, 0.3503, 0.3798 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 13.4055, 0.3503, 0.3798 by changing the saturation by 10% instead.

■ 13.4055, 0.3503,
0.3798

■ 13.4055, 0.3503,
0.3798

■ 213.5004, 0.3278,
0.3491

■ 7.7084, 0.3576,
0.3901

■ 32.0304, 0.3410,
0.3669

■ 3.9089, 0.3683,
0.4055

■ 45.7269, 0.3379,
0.3627

■ 1.6227, 0.3883,
0.4343

■ 62.8587, 0.3354,
0.3592

■ 0.3729, 0.4393,
0.5607

■ 83.8102, 0.3333,
0.3565

■ 0.0000, 0.0000,
0.0000

■ 108.9657, 0.3316,
0.3541

138.7096, 0.3302,

0.3522

173.4264, 0.3289,
0.3505

■ 13.4055, 0.3503,
0.3798

■ 13.4055, 0.3503,
0.3798

■ 12.9455, 0.3662,
0.4003

■ 13.8980, 0.3348,
0.3593

■ 12.5149, 0.3820,
0.4200

■ 14.4224, 0.3201,
0.3392

■ 12.1131, 0.3974,
0.4382

■ 14.9802, 0.3063,
0.3200

■ 11.7385, 0.4117,
0.4541

■ 15.5726, 0.2934,
0.3018

■ 11.3897, 0.4242,
0.4668

■ 16.2005, 0.2816,
0.2848

■ 11.0647, 0.4346,
0.4757

■ 16.8648, 0.2709,
0.2691

■ 10.7600, 0.4429,
0.4811

■ 17.5665, 0.2611,
0.2546

■ 10.6183, 0.4468,
0.4835

■ 18.3063, 0.2522,
0.2413

■ 19.0851, 0.2442,
0.2292

Harmonies

Analogous

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



13.4055, 0.3677, 0.3668



13.4055, 0.3503, 0.3798



13.4055, 0.3232, 0.3786

Triad

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



13.4055, 0.3503, 0.3798



13.4055, 0.2588, 0.3086



13.4055, 0.3298, 0.2990

Complementary

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



13.4055, 0.3503, 0.3798



9.1149, 0.2732, 0.2725

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.



13.4055, 0.3001, 0.2847



13.4055, 0.3503, 0.3798



13.4055, 0.2602, 0.2890

Square

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



13.4055, 0.3503, 0.3798



13.4055, 0.2709, 0.3356



13.4055, 0.2750, 0.2808



13.4055, 0.3558, 0.3206

Rectangle

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



13.4055, 0.3503, 0.3798



13.4055, 0.3036, 0.3691



13.4055, 0.2750, 0.2808



13.4055, 0.3199, 0.2932

Sweetspot

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



13.4061, 0.3503, 0.3798



25.5254, 0.3244, 0.3451



9.5069, 0.3545, 0.3198



6.1501, 0.3262, 0.3476



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.4061, 0.3503, 0.3798



23.5239, 0.3592, 0.3913



13.6733, 0.3344, 0.3908



3.5104, 0.3255, 0.3466



12.8766, 0.4471, 0.4832



64.6129, 0.4489, 0.4818

Inverse Universe

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



9.1149, 0.2732, 0.2725



14.5000, 0.2633, 0.2579



8.9474, 0.2869, 0.2649



3.0914, 0.2997, 0.3108



1.7084, 0.1547, 0.0769



7.8753, 0.1529, 0.0704

Previews

White Background



This preview shows how the Yxy color 13.4055, 0.3503, 0.3798 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



This preview shows how the Yxy color 13.4055, 0.3503, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

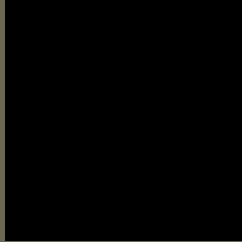
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4055, 0.3503, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 13.4055, 0.3503, 0.3798.



This preview shows how white text looks on a background with the Yxy color 13.4055, 0.3503, 0.3798.

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

13.4055, 0.3503, 0.3798

Protanopia

13.3331, 0.3538, 0.3772

Deuteranopia

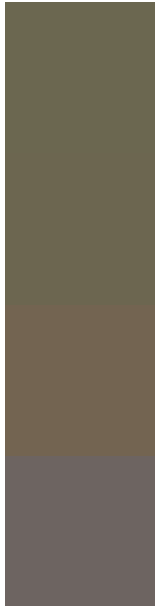
13.3225, 0.3719, 0.3644



Tritanopia

13.3002, 0.3179, 0.3121

Trichromacy



Original Color

13.4055, 0.3503, 0.3798

Protanomaly

13.2701, 0.3523, 0.3775

Deuteranomaly

13.3533, 0.3629, 0.3695

Tritanomaly

13.2286, 0.3303, 0.3355

Monochromacy



Original Color

13.4055, 0.3503, 0.3798

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.2540, 0.3265, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4055, 0.3503, 0.3798 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(107, 103, 80)` looks like.

```
.text, #text, p{  
    color:rgb(107, 103, 80)  
}
```

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(107, 103, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 103, 80) }
```

Border

The CSS property to change the border of an element to Yxy 13.4055, 0.3503, 0.3798 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(107, 103, 80) }
```

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

```
.border{ border-color:rgb(107, 103, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 103, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 103, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 103, 80);  
box-shadow:4px 4px 4px 4px rgb(107, 103,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4055, 0.3503, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 103, 80) }
```

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

```
.background{ background-color: rgb(107,  
103, 80) }
```

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