

Converting Colors

$Y_{xy}(12.9825, 0.3956, 0.4160)$

Have a look what the booklet for
Yxy(12.9825, 0.3956, 0.4160)
contains.

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Color

Yxy(13.0647, 0.3955, 0.4170)

Conversions

Conversions Part 1

Format	Color
Hex	73643A
RGB	115, 100, 58
RGB Percent	45%, 39%, 23%
CMY	0.5490, 0.6078, 0.7725
CMYK	0.00, 0.13, 0.50, 0.55
HSL	44°, 33%, 34%
HSV	44°, 50%, 45%
XYZ	12.3911, 13.0647, 5.8744
YIQ	99.6970, 22.4220, -9.8820

Conversions

Conversions Part 2

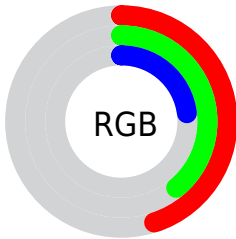
Format	Color
R_YB	78, 115, 58
Decimal	7562298
CIE Lab	42.86, -0.18, 25.91
CIE LCh	43, 25.912, 90.399
Yxy	13.0647, 0.3955, 0.4170
Android (android.graphics.Color)	4285752378 (0xFF73643A)
YUV	99.6970, -20.5566, 13.4207
Hunter-Lab	36.1451, -2.0614, 15.6656

Details

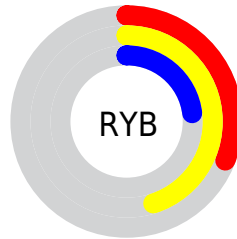
The Yxy color **13.0647, 0.3955, 0.4170** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.9047, 0.2308, 0.2206**, and the grayscale version is **12.7125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4987, 0.3752, 0.3964**, and **3.7939, 0.4295, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **12.3912, 0.4136, 0.4326**, and if you desaturate by 10%, it is **13.7871, 0.3773, 0.3997**.

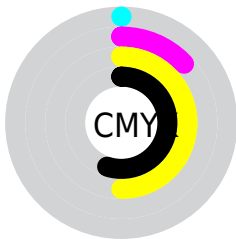
Distribution



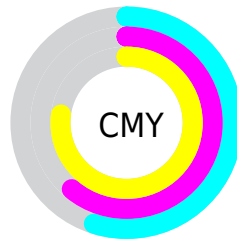
- Red (45%)
- Green (39%)
- Blue (23%)



- Red (31%)
- Yellow (45%)
- Blue (23%)



- Cyan (0%)
- Magenta (13%)
- Yellow (50%)
- Black (55%)




- Cyan (55%)
- Magenta (61%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0647, 0.3955, 0.4170 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 13.0647, 0.3955, 0.4170 by changing the saturation by 10% instead.


 13.0647, 0.3955,
0.4170


 13.0647, 0.3955,
0.4170


 211.3319, 0.3465,
0.3648

 7.4731, 0.4105,
0.4330


 31.4200, 0.3756,
0.3958


 3.7597, 0.4309,
0.4549

 44.9524, 0.3688,
0.3885

 1.5401, 0.4862,
0.5138

 61.9007, 0.3633,
0.3827

 0.3167, 0.4836,
0.5164

 82.6490, 0.3587,
0.3778

 0.0000, 0.0000,
0.0000

 107.5820, 0.3549,
0.3738

 137.0838, 0.3517,

0.3704

171.5390, 0.3489,
0.3674

■ 13.0647, 0.3955,
0.4170

■ 13.0647, 0.3955,
0.4170

■ 12.3912, 0.4136,
0.4326

■ 13.7871, 0.3773,
0.3997

■ 11.7629, 0.4308,
0.4456

■ 14.5584, 0.3595,
0.3816

■ 11.1781, 0.4464,
0.4551

■ 15.3810, 0.3426,
0.3633

■ 10.6342, 0.4598,
0.4605

■ 16.2564, 0.3267,
0.3454

■ 10.1229, 0.4717,
0.4631

■ 17.1862, 0.3121,
0.3282

■ 10.1001, 0.4723,
0.4632

■ 18.1717, 0.2987,
0.3120

■ 19.2143, 0.2866,
0.2968

■ 20.3153, 0.2757,
0.2827

■ 21.4759, 0.2658,
0.2697

Harmonies

Analogous

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



13.0647, 0.4214, 0.3825



13.0647, 0.3955, 0.4170



13.0647, 0.3484, 0.4298

Triad

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



13.0647, 0.3955, 0.4170



13.0647, 0.2192, 0.3041



13.0647, 0.3244, 0.2644

Complementary

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



13.0647, 0.3955, 0.4170



6.9047, 0.2308, 0.2206

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.



13.0647, 0.2707, 0.2449



13.0647, 0.3955, 0.4170



13.0647, 0.2141, 0.2631

Square

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



13.0647, 0.3955, 0.4170



13.0647, 0.2472, 0.3594



13.0647, 0.2320, 0.2435



13.0647, 0.3792, 0.2980

Rectangle

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



13.0647, 0.3955, 0.4170



13.0647, 0.3120, 0.4198



13.0647, 0.2320, 0.2435



13.0647, 0.3055, 0.2561

Sweetspot

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



13.0653, 0.3955, 0.4170



28.1842, 0.3358, 0.3558



7.1567, 0.4054, 0.2963



6.6618, 0.3385, 0.3589



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.0653, 0.3955, 0.4170



22.0740, 0.4153, 0.4340



15.3734, 0.3626, 0.4517



4.1110, 0.3260, 0.3446



11.5118, 0.4727, 0.4629



54.6465, 0.4762, 0.4601

Inverse Universe

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



6.9047, 0.2308, 0.2206



9.7340, 0.2116, 0.1914



5.6176, 0.2429, 0.1887



3.7322, 0.2995, 0.3129



2.4593, 0.1603, 0.0971



10.7638, 0.1580, 0.0887

Previews

White Background



This preview shows how the Yxy color 13.0647, 0.3955, 0.4170 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 13.0647, 0.3955, 0.4170 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 13.0647, 0.3955, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 13.0647, 0.3955, 0.4170.



This preview shows how white text looks on a background with the Yxy color 13.0647, 0.3955, 0.4170.

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

13.0647, 0.3955, 0.4170

Protanopia

13.0026, 0.3868, 0.4192

Deuteranopia

13.0761, 0.4100, 0.4052



Tritanopia

13.0657, 0.3396, 0.3147

Trichromacy



Original Color

13.0647, 0.3955, 0.4170

Protanomaly

13.0679, 0.3885, 0.4187

Deuteranomaly

13.0442, 0.4042, 0.4086

Tritanomaly

13.0728, 0.3617, 0.3522

Monochromacy



Original Color

13.0647, 0.3955, 0.4170

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.7735, 0.3413, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0647, 0.3955, 0.4170 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(115, 100, 58)` looks like.

```
.text, #text, p{  
    color:rgb(115, 100, 58)  
}
```

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(115, 100, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 100, 58) }
```

Border

The CSS property to change the border of an element to Yxy 13.0647, 0.3955, 0.4170 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(115, 100, 58) }
```

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

```
.border{ border-color:rgb(115, 100, 58) }
```

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

Here you see how a box with a 4 pixel rgb(115, 100, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 100, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 100, 58);  
box-shadow:4px 4px 4px 4px rgb(115, 100,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0647, 0.3955, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 100, 58) }
```

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

```
.background{ background-color: rgb(115,  
100, 58) }
```

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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