

Converting Colors

$Y_{xy}(10.8118, 0.3932, 0.4382)$

Have a look what the booklet for
Yxy(10.8118, 0.3932, 0.4382)
contains.

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Color

Yxy(10.7353, 0.3937, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	645D2E
RGB	100, 93, 46
RGB Percent	39%, 36%, 18%
CMY	0.6078, 0.6353, 0.8197
CMYK	0.00, 0.07, 0.54, 0.61
HSL	52°, 37%, 29%
HSV	52°, 54%, 39%
XYZ	9.6628, 10.7353, 4.1454
YIQ	89.7350, 19.2590, -13.1330

Conversions

Conversions Part 2

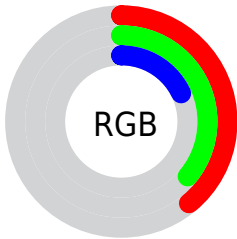
Format	Color
RYB	54, 100, 46
Decimal	6577454
CIELab	39.13, -4.27, 27.77
CIELCh	39, 28.099, 98.751
Yxy	10.7353, 0.3937, 0.4374
Android (android.graphics.Color)	4284767534 (0xFF645D2E)
YUV	89.7350, -21.5614, 9.0024
Hunter-Lab	32.7648, -4.6964, 15.4340

Details

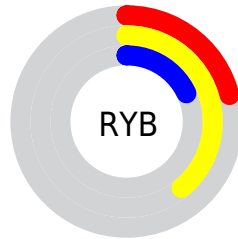
The Yxy color **10.7353, 0.3937, 0.4374** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.0446, 0.2202, 0.1896**, and the grayscale version is **10.2077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1106, 0.3742, 0.4099**, and **2.7631, 0.4343, 0.4933** is the 20% darker color. If you saturate the color by 10%, you get **10.4405, 0.4076, 0.4538**, and if you desaturate by 10%, it is **11.0534, 0.3788, 0.4187**.

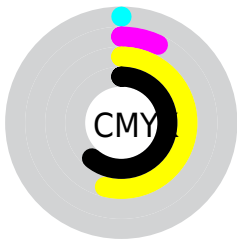
Distribution



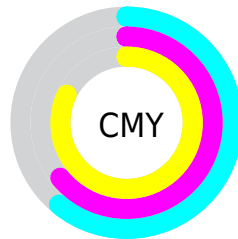
- Red (39%)
- Green (36%)
- Blue (18%)



- Red (21%)
- Yellow (39%)
- Blue (18%)



- Cyan (0%)
- Magenta (7%)
- Yellow (54%)
- Black (61%)





- Cyan (61%)
- Magenta (64%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7353, 0.3937, 0.4374 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 10.7353, 0.3937, 0.4374 by changing the saturation by 10% instead.


 10.7353, 0.3937,
0.4374


 10.7353, 0.3937,
0.4374


195.8424, 0.3453,
0.3709


 5.8891, 0.4081,
0.4590

 27.1696, 0.3741,
0.4096

 2.7778, 0.4354,
0.4991

 39.5266, 0.3674,
0.4003

 1.0168, 0.4572,
0.5428

 55.1560, 0.3619,
0.3929

 0.0000, 0.0000,
0.0000

 74.4421, 0.3574,
0.3869

 97.7694, 0.3536,
0.3818

 125.5223, 0.3504,

0.3776

158.0852, 0.3477,
0.3740

■ 10.7353, 0.3937,
0.4374

■ 10.7353, 0.3937,
0.4374

■ 10.4405, 0.4076,
0.4538

■ 11.0534, 0.3788,
0.4187

■ 10.1661, 0.4198,
0.4673

■ 11.3943, 0.3633,
0.3987

■ 9.9111, 0.4299,
0.4771

■ 11.7598, 0.3478,
0.3779

■ 9.6728, 0.4379,
0.4833

■ 12.1509, 0.3327,
0.3572

■ 9.5336, 0.4426,
0.4868

■ 12.5684, 0.3183,
0.3369

■ 13.0133, 0.3047,
0.3175

■ 13.4864, 0.2921,
0.2992

■ 13.9886, 0.2804,
0.2821

■ 14.5206, 0.2698,
0.2662

Harmonies

Analogous

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



10.7353, 0.4326, 0.4013



10.7353, 0.3937, 0.4374



10.7353, 0.3353, 0.4443

Triad

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



10.7353, 0.3937, 0.4374



10.7353, 0.2018, 0.2838



10.7353, 0.3442, 0.2647

Complementary

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



10.7353, 0.3937, 0.4374



4.0446, 0.2202, 0.1896

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.



10.7353, 0.2799, 0.2377



10.7353, 0.3937, 0.4374



10.7353, 0.2036, 0.2443

Square

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



10.7353, 0.3937, 0.4374



10.7353, 0.2260, 0.3452



10.7353, 0.2304, 0.2298



10.7353, 0.4046, 0.3056

Rectangle

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



10.7353, 0.3937, 0.4374



10.7353, 0.2936, 0.4253



10.7353, 0.2304, 0.2298



10.7353, 0.3221, 0.2539

Sweetspot

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



10.7358, 0.3937, 0.4374



21.1297, 0.3364, 0.3622



4.9205, 0.4360, 0.3119



5.1749, 0.3385, 0.3652



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.7358, 0.3937, 0.4374



18.1610, 0.4113, 0.4581



11.0254, 0.3538, 0.4658



3.2106, 0.3253, 0.3468



12.7206, 0.4430, 0.4865



65.4470, 0.4446, 0.4852

Inverse Universe

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



4.0446, 0.2202, 0.1896



5.0565, 0.1969, 0.1514



4.0234, 0.2496, 0.1823



2.8156, 0.2999, 0.3105



1.5698, 0.1540, 0.0744



7.4256, 0.1523, 0.0683

Previews

White Background



This preview shows how the Yxy color 10.7353, 0.3937, 0.4374 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 10.7353, 0.3937, 0.4374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

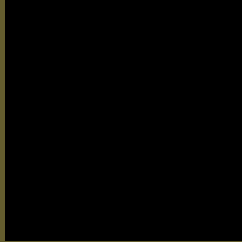
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7353, 0.3937, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 10.7353, 0.3937, 0.4374.

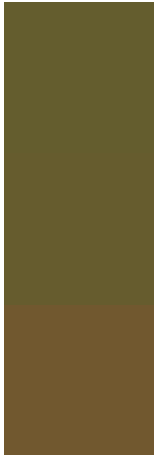


This preview shows how white text looks on a background with the Yxy color 10.7353, 0.3937, 0.4374.

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

10.7353, 0.3937, 0.4374

Protanopia

10.6763, 0.3983, 0.4339

Deuteranopia

10.6954, 0.4209, 0.4163



Tritanopia

10.7909, 0.3314, 0.3155

Trichromacy



Original Color

10.7353, 0.3937, 0.4374

Protanomaly

10.6183, 0.3965, 0.4347

Deuteranomaly

10.7057, 0.4097, 0.4237

Tritanomaly

10.7317, 0.3547, 0.3595

Monochromacy



Original Color

10.7353, 0.3937, 0.4374

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.3563, 0.3436, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7353, 0.3937, 0.4374 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(100, 93, 46)` looks like.

```
.text, #text, p{  
  color:rgb(100, 93, 46)  
}
```

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(100, 93, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 93, 46) }
```

Border

The CSS property to change the border of an element to Yxy 10.7353, 0.3937, 0.4374 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(100, 93, 46) }
```

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

```
.border{ border-color:rgb(100, 93, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 93, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 93, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 93, 46);  
box-shadow:4px 4px 4px 4px rgb(100, 93,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7353, 0.3937, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 93, 46) }
```

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

```
.background{ background-color: rgb(100, 93,  
46) }
```

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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